

WORKBENCH INSTRUMENTS



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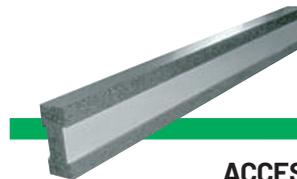
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MEASURING MACHINES
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PRICE LIST FOR CALIBRATION

A close-up photograph of a gloved hand holding a digital depth gauge. The gauge features a digital display showing '00.00' and a scale with markings for 0, 10, and 20. The background is dark, and a large green diagonal overlay is present. The text 'WORKBENCH INSTRUMENTS' is centered in white, bold, italicized font.

***WORKBENCH
INSTRUMENTS***

IP67

ALPA



MEGAty EVO

Digital caliper IP67 with presets

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Auto switch-off after 10 min inactivity. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape.

Code 1	€	Rod	Range mm	Jaws mm
AA014150NDP	139,00	■	0 ÷ 150	40
AA014150NDT	139,00	●	0 ÷ 150	40
AA014200ND	205,00	■	0 ÷ 200	50
AA014300ND	265,00	-	0 ÷ 300	64



S_Cal EVO Smart

Digital caliper IP67 with Bluetooth® and presets

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Auto switch-off after 10 min inactivity. Hardened stainless steel construction. Slide with locking screw. Easy handling due to ergonomic shape.

Code 1	€	Rod	Range mm	Jaws mm
AA013150BTP	199,00	■	0 ÷ 150	40
AA013150BTT	199,00	●	0 ÷ 150	40
AA013200BT	299,00	■	0 ÷ 200	50
AA013300BT	380,00	-	0 ÷ 300	64



S_Cal EVO CARBIDE

Digital caliper IP67 with Bluetooth® and presets

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape. Carbide-tipped nozzles.

Code 1	€	Rod	Range mm	Jaws mm
AA037150MDND	370,00	●	0 ÷ 150	40
AA037150MDBT	475,00	■	0 ÷ 150	40
AA037200MDBT	680,00	■	0 ÷ 200	50

NEW



S_Cal EVO Smart Micron

IP67 digital caliper with Bluetooth® and presets

Accuracy ± 0.015 mm. Resolution 0.001 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape.

Code 1	€	Rod	Range mm	Jaws mm
AA011150BTP	435,00	■	0 ÷ 150	40
AA011150BTT	435,00	●	0 ÷ 150	40
AA011200BT	550,00	■	0 ÷ 200	50



PRO67

Digital calipers IP67

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw.

Code 1	€	Rod	Range mm	Jaws mm
AA017150P	119,00	■	0 ÷ 150	40
AA017150T	119,00	●	0 ÷ 150	40
AA017200	160,00	■	0 ÷ 200	50
AA017300	210,00	■	0 ÷ 300	60



ABSolutus

Digital calipers IP54

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP54. Electronics protected against dust and splash water. Hardened stainless steel construction. Slide with locking screw.

Code 1	€	Rod	Range mm	Jaws mm
AA019150P	69,00	■	0 ÷ 150	40
AA019150T	69,00	●	0 ÷ 150	40
AA019200	99,00	■	0 ÷ 200	50
AA019300	139,00	■	0 ÷ 300	60



PICKall

Digital calipers IP40

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with adjustment roller and locking screw. On/off button.

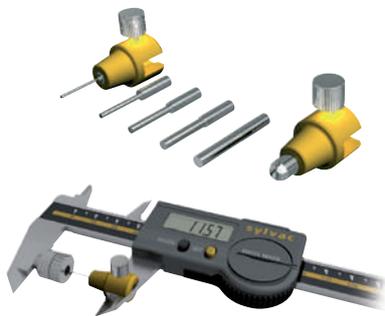
Code 1	€	Rod	Range mm	Jaws mm
AA020150P	65,00	■	0 ÷ 150	40
AA020150T	65,00	●	0 ÷ 150	40
AA020200	95,00	■	0 ÷ 200	50
AA020300	135,00	■	0 ÷ 300	64



Digital caliper IP40 with presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with locking screw. On/off button.

Code 1	€	Range mm	Jaws mm
AA021100	45,00	0 ÷ 100	30
AA021150	45,00	0 ÷ 150	40
AA021200	65,00	0 ÷ 200	50
AA021300	105,00	0 ÷ 300	50



Interchangeable contacts for calipers

Set of interchangeable contacts to be mounted directly on the beaks of slide gauges with 3.5 mm folder. Pairs of lowered pins $\varnothing 1.0 / 1.5 / 2.0 / 2.5 / 3.0$ mm L.12mm and balls R.1.5mm.

Code 1	€	Description
ACC12000SET	120,00	Set of interchangeable contacts

Depth base for gauges

Base for standard gauges up to 300 mm to be applied to facilitate depth measurements.

Code 1	€	Base mm	Height mm
ACC03001	25,00	76	30



Clock Caliper

Accuracy ± 0.03 mm (150). Resolution 0.01 mm. Metal case. Dial 39 mm. 1 hand revolution = 1 mm.

Code 1	€	Range mm	Jaws mm
AC010150	55,00	0 ÷ 150	40
AC010200	75,00	0 ÷ 200	50
AC010300	130,00	0 ÷ 300	62

Clock gauges

Accuracy ± 0.03 mm (150). Resolution 0.02 mm. Metal case. Dial 39 mm. 1 hand revolution = 2 mm.

Code 1	€	Range mm	Jaws mm
AC015150	50,00	0 ÷ 150	40
AC015200	65,00	0 ÷ 200	50
AC015300	105,00	0 ÷ 300	60



One-piece slide caliper

Nonio 1/20. Readout 0.05 mm. Hardened stainless steel construction. Slide with locking screw. Matt chrome-plated scale. High precision.

Code 1	€	Range mm	Jaws mm
AB012100	35,00	0 ÷ 100	30
AB012150	35,00	0 ÷ 150	40
AB012200	55,00	0 ÷ 200	50
AB012300	110,00	0 ÷ 300	60

One-piece slide caliper

Nonio 1/20. Readout 0.05 mm. Hardened stainless steel construction. Slide with adjustment roller and locking screw. Matt chrome-plated scale.

Code 1	€	Range mm	Jaws mm
AB017100	25,00	0 ÷ 100	40
AB017150	28,00	0 ÷ 150	40
AB017200	38,00	0 ÷ 200	50
AB017300	70,00	0 ÷ 300	60



One-piece slide caliper

Nonio 1/20. Readout 0.05 mm. Hardened stainless steel construction. Slide with locking button. Matt chrome-plated scale. High precision.

Code 1	€	Range mm	Jaws mm
AB011150	39,00	0 ÷ 150	40
AB011200	55,00	0 ÷ 200	50

One-piece slide caliper

Nonio 1/20. Readout 0.05 mm. Hardened stainless steel construction. Slide with locking button. Matt chrome-plated scale. High precision. AB02515050 version with 1/50 nonius and 0.02 reading.

Code 1	€	Range mm	Jaws mm
AB02515020	28,00	0 ÷ 150	40
AB025200	40,00	0 ÷ 200	50
AB025300	80,00	0 ÷ 300	62



MEGALine

IP54 Carbon Fibre Digital Caliper with presets

Accuracy ± 0.03 mm (1000). Resolution 0.01 mm. Protection IP54. Swiss electronics protected from dust and water spray. Carbon fibre construction with locking screw and micrometric adjustment. TiN-coated stainless steel beaks.

Code 1	€	Range mm	Jaws mm	Section mm
AA0401000150	1.935,00	0 ÷ 1000	150	47 x 16
AA0401000300	3.190,00	0 ÷ 1000	300	47 x 16
AA0401000500	3.960,00	0 ÷ 1000	500	47 x 16
AA0401500150	2.990,00	0 ÷ 1500	150	47 x 16
AA0401500200	3.280,00	0 ÷ 1500	200	47 x 16
AA0401500300	3.775,00	0 ÷ 1500	300	47 x 16
AA0401500500	4.550,00	0 ÷ 1500	500	47 x 16
AA0402000150	3.240,00	0 ÷ 2000	150	47 x 16
AA0402000200	3.600,00	0 ÷ 2000	200	47 x 16
AA0402000300	4.800,00	0 ÷ 2000	300	47 x 16
AA0402000500	5.400,00	0 ÷ 2000	500	47 x 16
AA0402500200	4.800,00	0 ÷ 2500	200	47 x 16

Code 1	€	Range mm	Jaws mm	Section mm
AA0402500300	5.390,00	0 ÷ 2500	300	47 x 16
AA0403000200	5.365,00	0 ÷ 3000	200	47 x 16
AA0403000300	5.790,00	0 ÷ 3000	300	47 x 16
AA0403500200	6.550,00	0 ÷ 3500	200	47 x 16
AA0403500300	7.050,00	0 ÷ 3500	300	47 x 16
AA0404000200	11.865,00	0 ÷ 4000	200	47 x 38
AA0404000300	13.105,00	0 ÷ 4000	300	47 x 38
AA0404500200	14.160,00	0 ÷ 4500	200	47 x 38
AA0404500300	15.070,00	0 ÷ 4500	300	47 x 38
AA0405000200	15.465,00	0 ÷ 5000	200	47 x 38
AA0405000300	16.530,00	0 ÷ 5000	300	47 x 38

NEW



sylvac

Ultra light caliper UL4

IP67 aluminium digital calipers with Bluetooth® presets and moving beaks

Resolution 0.01 mm. IP67 protection. Electronics protected against dust and brief immersion in water. Reinforced aluminium construction. Slide with locking screw. Stainless steel nozzles with TiN coating. Reinforced housing with internal prismatic guides. Measuring force displayed in both pull and push.

Code 1	€	Range mm	Jaws mm	Section mm
AA046400BT	1.590,00	0 ÷ 400	202	38
AA046600BT	1.790,00	0 ÷ 600	202	38
AA0461000BT	2.290,00	0 ÷ 1000	202	38
AA0461500BT	3.200,00	0 ÷ 1500	202	38

Code 1	€	Range mm	Jaws mm	Section mm
AA0462000BT	4.300,00	0 ÷ 2000	202	38
AA0462500BT	5.450,00	0 ÷ 2500	202	38
AA0463000BT	5.990,00	0 ÷ 3000	202	38



MEGAline

IP67 Carbon Fibre Digital Caliper with Presets

Accuracy ± 0.04 mm (1000). Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Carbon fibre construction. TiN-coated stainless steel tips.

Code 1	€	Range mm	Jaws mm	Section mm
AA0431000150	1.690,00	0 ÷ 1000	150	40
AA0431000200	2.050,00	0 ÷ 1000	200	40
AA0431500150	2.140,00	0 ÷ 1500	150	40

Code 1	€	Range mm	Jaws mm	Section mm
AA0431500200	2.600,00	0 ÷ 1500	200	40
AA0432000150	2.890,00	0 ÷ 2000	150	40
AA0432000200	3.400,00	0 ÷ 2000	200	40



MEGAline

Digital caliper IP67 with presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw.

Code 1	€	Range mm	Jaws mm	Section mm
AA029300	560,00	0 ÷ 300	100	17 x 5
AA029400	620,00	0 ÷ 400	100	17 x 5
AA029500	670,00	0 ÷ 500	100	17 x 5
AA029600	755,00	0 ÷ 600	100	17 x 5

S_Cal EVO Form € Mid-size

Digital caliper IP67 with Bluetooth® and presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling due to ergonomic shape.

Code 1	€	Range mm	Jaws mm	Section mm
AA028300BT	755,00	0 ÷ 300	100	17 x 5



Digital calipers IP40 with micrometer adjustment and presets

Accuracy ± 0.05 mm (300). Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with locking screw and micrometric adjustment. On/off button.

Code 1	€	Range mm	Jaws mm
AA050300	199,00	0 ÷ 300	100
AA050500100	245,00	0 ÷ 500	100
AA050500150	290,00	0 ÷ 500	150
AA050500200	385,00	0 ÷ 500	200
AA050600150	430,00	0 ÷ 600	150
AA050600300	650,00	0 ÷ 600	300
AA050800150	495,00	0 ÷ 800	150
AA0501000150	750,00	0 ÷ 1000	150
AA0501000300	1.350,00	0 ÷ 1000	300
AA0501500200	1.495,00	0 ÷ 1500	200
AA0501500300	1.885,00	0 ÷ 1500	300
AA0502000300	2.190,00	0 ÷ 2000	300
AA0503000300	4.300,00	0 ÷ 3000	300

NEW



Digital calipers for indoor and outdoor use

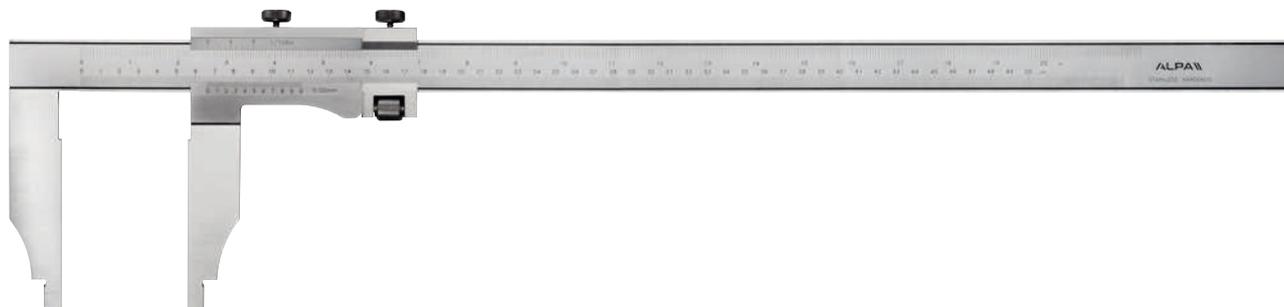
Resolution 0.01 mm. Incremental zeroing or return to absolute scale. Slide with locking screw and micrometric adjustment. On/off button.

Code 1	€	Range mm	Jaws mm
AA051600100	505,00	0 ÷ 600	100
AA0511000125	880,00	0 ÷ 1000	125

Digital calipers IP40 with micrometer adjustment and presets

Accuracy ± 0.05 mm (300). Resolution 0.01 mm. Protection IP40. Slide with locking screw and micrometric adjustment. Matt chrome-plated scale. On/off button.

Code 1	€	Range mm	Jaws mm
AA052300	260,00	0 ÷ 300	100
AA052600	505,00	0 ÷ 600	150
AA0521000	895,00	0 ÷ 1000	150

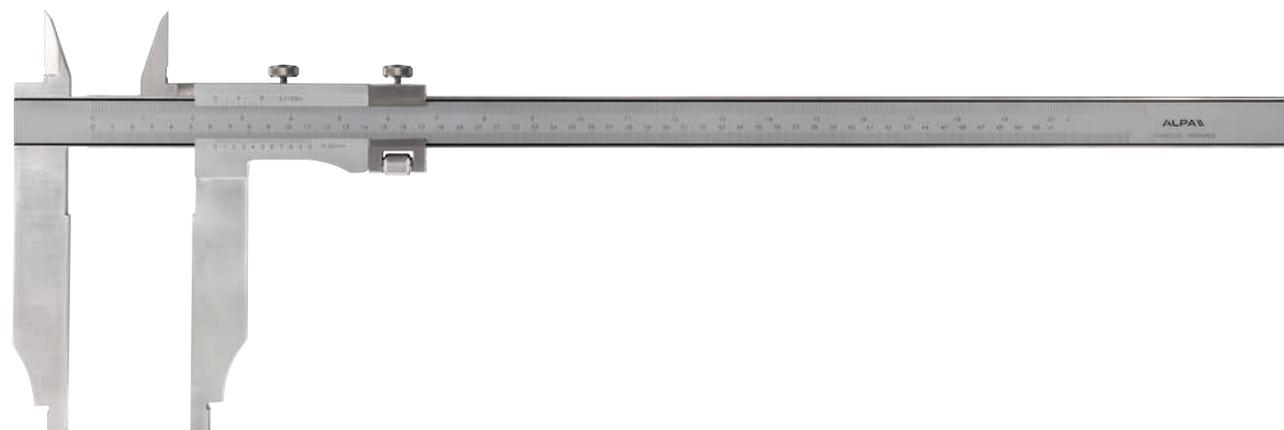


One-piece gauge for large dimensions with micrometric adjustment

Nonio 1/50, lettura 0,02mm. Scala cromata opaca, corsoio con bloccaggio a vite e regolazione micrometrica. Esecuzione accurata..

Code 1	€	Range mm	Jaws mm
AB035200	80,00	0 + 200	65
AB035250	115,00	0 + 250	80
AB03530090	139,00	0 + 300	90
AB035300100	180,00	0 + 300	100
AB035300150	240,00	0 + 300	150
AB035400125	250,00	0 + 400	125
AB035400200	335,00	0 + 400	200
AB035500115	280,00	0 + 500	115
AB035500150	310,00	0 + 500	150
AB035500200	440,00	0 + 500	200
AB035600115	300,00	0 + 600	115
AB035600150	340,00	0 + 600	150
AB035600200	415,00	0 + 600	200
AB035600300	715,00	0 + 600	300

Code 1	€	Range mm	Jaws mm
AB035800150	445,00	0 + 800	150
AB035800300	765,00	0 + 800	300
AB035800400	1.110,00	0 + 800	400
AB0351000150	620,00	0 + 1000	150
AB0351000300	950,00	0 + 1000	300
AB0351000500	1.490,00	0 + 1000	500
AB0351200200	1.250,00	0 + 1200	200
AB0351500200	1.290,00	0 + 1500	200
AB0351500300	1.720,00	0 + 1500	300
AB0351500500	2.290,00	0 + 1500	500
AB0352000300	2.490,00	0 + 2000	300
AB0352000500	2.790,00	0 + 2000	500
AB0353000300	3.900,00	0 + 3000	300

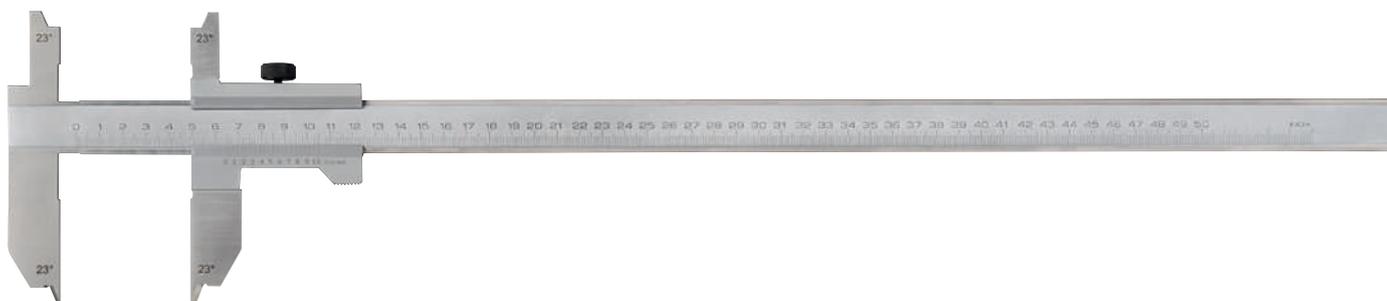


One-piece gauge with top beaks for indoor use with micrometric adjustment

Nonius 1/50. Readout 0.02 mm. Stainless steel construction. Slide with locking screw and micrometric adjustment.

Code 1	€	Range mm	Jaws mm
AB045300	210,00	0 + 300	90
AB045500	445,00	0 + 500	150

Code 1	€	Range mm	Jaws mm
AB045600	505,00	0 + 600	150
AB0451000	785,00	0 + 1000	150



Ring joint gauge

Nonio 1/20. Reading 0.02 mm. Slide with locking screw. Slide stop at end of shaft. Chrome-plated scale reading. Engraved precision graduation. 23° beaks. Built to DIN 862.

Code 1	€	Range mm	Jaws mm
AB070300	565,00	0 ÷ 300	45
AB070500	840,00	0 ÷ 500	45
AB0701000	1.275,00	0 ÷ 1000	65



MEGAline

Digital calipers for IP67 ring joint with presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic design. 23° beaks.

Code 1	€	Range mm	Jaws mm
AA080200	585,00	0 ÷ 200	32



Zeroing master

Zeroing master equipped with 23° tilting details for zeroing ring joint gauges.

Code 1	€	Base mm	Height mm
ACC09001	395,00	90	50



IP67 digital caliper with presets

Accuracy ± 0.03 mm (300). Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape. Interchangeable pull/push in the same plane. Ready for mobile bridge.

Code 1	€	Range mm	B x C mm
AA064300	790,00	0 ÷ 300	150 x 12
AA064400	835,00	0 ÷ 400	150 x 12
AA064500	980,00	0 ÷ 500	150 x 12
AA064600	1.085,00	0 ÷ 600	150 x 12
AA064800	1.575,00	0 ÷ 800	150 x 12
AA0641000	1.990,00	0 ÷ 1000	150 x 12



Mobile bridge for depth gauges

Mobile bridge for depth gauges code AA064.

Code 1	€	Length mm
ACC08001	535,00	400
ACC08002	620,00	500
ACC08003	800,00	600

Accessories for depth gauges

Optional tips for mounting to depth gauge AA064.



S_Depth EVO TJ

IP67 digital depth gauge with interchangeable contacts, Bluetooth® and presets

Resolution 0.01mm. Protection IP67. Electronics protected against dust and brief immersion in water. Slide with locking screw. Throw/push in the same plane. 100 mm base with through holes for additional bridges.

Code 1	€	Range mm
AA066200BT	825,00	0 ÷ 200
AA066300BT	960,00	0 ÷ 300
AA066500BT	1.300,00	0 ÷ 500

MOBILE BRIDGE FOR DEPTH GAUGES

Code 1	€	L mm
ACC10200	185,00	200
ACC10320	215,00	320



MEGAline

IP67 digital caliper with presets

Accuracy ± 0.02 mm (200). Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape.

Code 1	€	Range mm	Base mm	Length mm
AA054200	510,00	0 ÷ 200	105 x 10	310
AA054300	605,00	0 ÷ 300	150 x 12	410
AA054400	700,00	0 ÷ 400	150 x 12	510
AA054500	770,00	0 ÷ 500	150 x 12	610
AA054600	850,00	0 ÷ 600	150 x 12	710

MOBILE BRIDGE FOR DEPTH GAUGES

Code 1	€	L mm
ACC10200	185,00	200
ACC10320	215,00	320



S_Depth EVO RP

IP67 digital depth gauge with Ø2 mm directionable plug with Bluetooth® and presets

Resolution 0.01mm. Protection IP67. Electronics protected against dust and brief immersion in water. Ø2mm directionable contacts. 100 mm base with interchangeable 200/320 mm bridges.

Code 1	€	Range mm
AA056200BT	845,00	0 ÷ 200
AA056300BT	990,00	0 ÷ 300
AA056500BT	1.320,00	0 ÷ 500

MOBILE BRIDGE FOR DEPTH GAUGES

Code 1	€	L mm
ACC10200	185,00	200
ACC10320	215,00	320

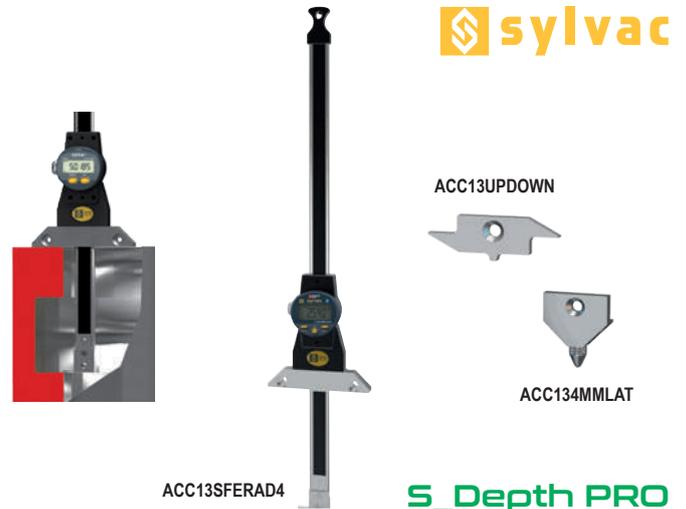


MEGAline

Digital calipers for IP67 small bore depth with presets

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape. Minimum bore diameter of 6 mm.

Code 1	€	Range mm	Base mm	Length mm	
AA08312058	590,00	0 ÷ 120	80	220	0,6
AA08312078	620,00	0 ÷ 120	80	220	0,9



S_Depth PRO

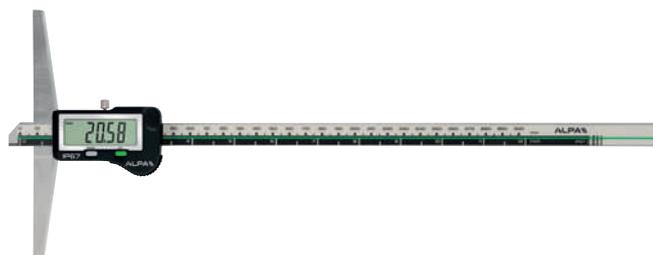
Bidirectional IP67 depth gauge with Bluetooth® and presets

Accuracy ± 0.01 mm. Resolution 0.01 mm. Protection IP65. Electronics protected against dust and water jets. Smart function with double reference storage for bidirectional measurements. Slide with locking screw. Ball contacts M2.5. 100 mm base with through holes for additional bridges.

Code 1	€	Range mm
AA091300BT	970,00	0 ÷ 300
AA091600BT	1.290,00	0 ÷ 600

Code 1	€	Description
ACC13SFERAD4	145,00	Ball tip M 2.5 and diameter 4mm
ACC13UPDOWN	135,00	Tip up and down
ACC134MMLAT	110,00	Side plug port 4 mm

NEW



IP67 digital caliper with presets

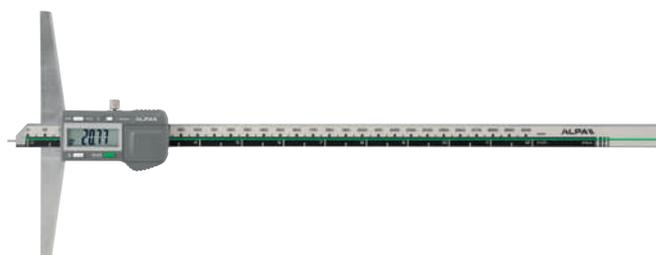
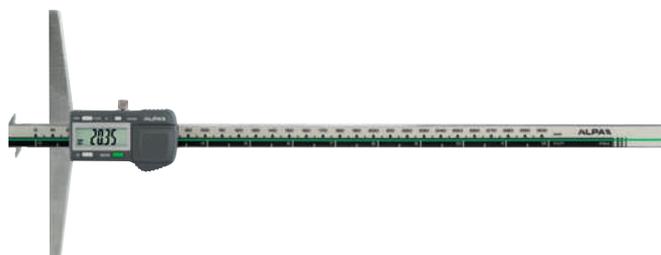
Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic design.

Code 1	€	Range mm	Base mm	Length mm
AA107200	210,00	0 ÷ 200	100	285
AA107300	310,00	0 ÷ 300	150	390

Digital calipers for depth IP54

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP54. Electronics protected against dust and splash water. Slide with locking screw. On/off button.

Code 1	€	Range mm	Base mm	Length mm
AA101200	115,00	0 ÷ 200	100	285
AA101300	190,00	0 ÷ 300	150	390



IP54 digital calipers with double feet

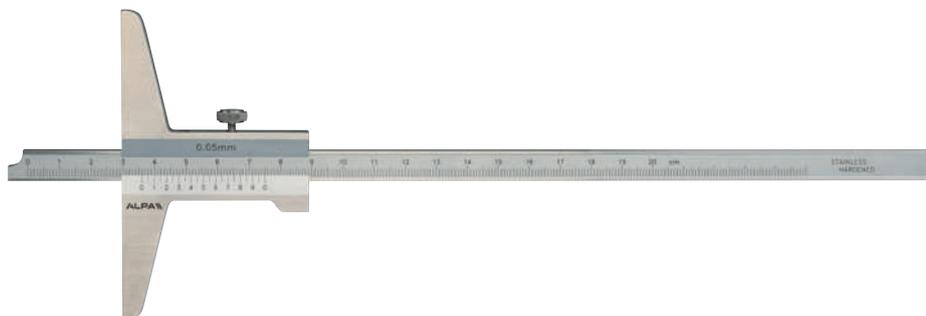
Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP54. Electronics protected against dust and splash water. Slide with locking screw. On/off button.

Code 1	€	Range mm	Base mm	Length mm
AA103200	170,00	0 ÷ 200	100	285
AA103300	230,00	0 ÷ 300	150	390

IP54 digital calipers with plungers

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP54. Electronics protected against dust and splash water. Slide with locking screw. On/off button.

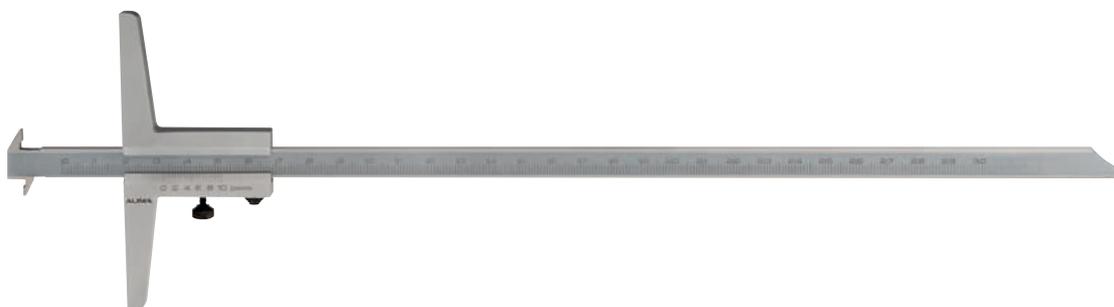
Code 1	€	Range mm	Base mm	Length mm
AA105200	145,00	0 ÷ 200	100	285
AA105300	210,00	0 ÷ 300	150	390



One-piece depth gauge

Nonius 1/20. Readout 0.05 mm. Slide with locking screw.

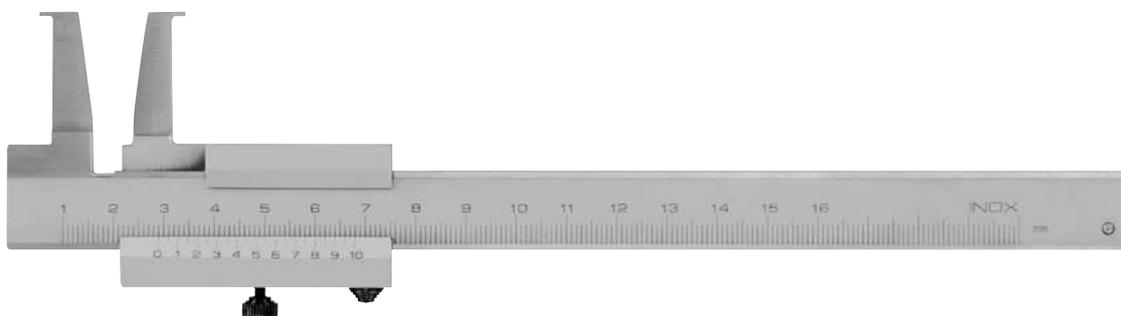
Code 1	€	Range mm	Base mm	Length mm
AB055150	35,00	0 ÷ 150	100	250
AB055200	50,00	0 ÷ 200	100	300
AB055300	90,00	0 ÷ 300	150	400
AB055400	110,00	0 ÷ 400	150	505
AB055500	155,00	0 ÷ 500	150	605
AB0551000	590,00	0 ÷ 1000	200	1160



Monobloc depth gauge with double foot

Nonius 1/20. Readout 0.05 mm. Slide with locking screw.

Code 1	€	Range mm	Base mm	Length mm
AB062200	110,00	0 ÷ 200	100	260
AB062300	130,00	0 ÷ 300	100	370



Internal groove gauges

Nonio 1/20. Readout 0.05 mm. Slide with locking screw. Matt chrome-plated scale.

Code 1	€	Range mm	Max profondità scanalatura mm	Jaws mm
AB067160	80,00	9,5 ÷ 160	3	25
AB067200	130,00	26 ÷ 200	7	60
AB067300	195,00	60 ÷ 300	10	100



MEGAline

MEGAline

Digital calipers for IP67 internal/external grooves with presets

Accuracy ± 0.02 mm (250). Resolution 0.01 mm. Protection IP67. Swiss electronics protected from dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic shape. Interchangeable tips. Supplied with $\varnothing 3$ mm ball tip and M 2 thread5 (code AA084350 and AA084450). Supplied with hardened dowels $\varnothing 2.5$ mm (code AA084250). Supplied with adapter $\varnothing 3.5$ mm and thread M2.5.

Code 1	€	Internal range mm	External range mm	Section mm
AA084250	855,00	24 ÷ 250	0 ÷ 210	16,5 x 4,5
AA084350	960,00	44 ÷ 400	0 ÷ 320	17 x 5
AA084450	1.090,00	44 ÷ 500	0 ÷ 420	17 x 5

Digital calipers for internal/external grooves IP54 with presets

Accuracy ± 0.04 mm. Resolution 0.01 mm. Protection IP54. Swiss electronics protected against dust and splash water. Hardened stainless steel construction. Slide with locking screw. Interchangeable tips. Supplied with $\varnothing 3.5$ mm plug-in tips. Supplied with $\varnothing 3.5$ mm adapter and M 2.5 thread.

Code 1	€	Internal range mm	External range mm	Section mm
AA081650	1.385,00	44 ÷ 650	0 ÷ 570	22 x 5



Pointer adapters

Pair of adapters required for use of M 2.5 mm test leads.

Code 1	€	A mm	\varnothing mm
CC0458	35,00	8	3,5
CC04510	35,00	10	3,5
CC04512	60,00	12	3,5
CC04520	65,00	20	3,5



Digital calipers for IP67 grooves and channels with presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Easy handling thanks to ergonomic design.

Code 1	€	Range mm	Max profondità scanalatura mm	Section mm
AA086170	605,00	10 ÷ 170	3,5	16,5 x 4
AA086180	660,00	20 ÷ 180	8,5	16,5 x 4



Digital calipers for internal grooves IP40

Accuracy ± 0.05 mm. Resolution 0.01 mm. Protection IP40. Slide with locking screw. On/off button.

Code 1	€	Range mm
AA179150	150,00	14 ÷ 150
AA179200	180,00	15 ÷ 200
AA179300	245,00	17 ÷ 300
AA179500	340,00	35 ÷ 500



IP40 digital calipers with interchangeable tips and presets

Accuracy ± 0.05 mm. Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with locking screw. On/off button. Other tips to be ordered separately.

Code 1	€	Campo Ø1 - Ø6,5 mm	Jaws mm	Spessore becchi mm
AA176150	190,00	34 ÷ 150	50	5
AA176200	220,00	34 ÷ 200	50	5



IP40 digital calipers with interchangeable tips and micrometric adjustment

Accuracy ± 0.05 mm. Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with locking screw and micrometric adjustment. On/off button. Supplied with a pair of cylindrical tips with M2.5 thread. Other tips to be ordered separately.

Code 1	€	Internal range mm	External range mm	Jaws mm
AA077300	450,00	40 ÷ 300	0 ÷ 300	93
AA077500	590,00	50 ÷ 500	0 ÷ 500	103



Digital calipers for IP40 internal grooves with presets

Accuracy ± 0.05 mm. Resolution 0.01 mm. Protection IP40. Slide with locking screw. On/off button.

Code 1	€	Range mm
AA189150	145,00	22 ÷ 150
AA189200	165,00	40 ÷ 200



Digital calipers for IP40 internal grooves with presets

Accuracy ± 0.03 mm. Resolution 0.01 mm. Protection IP40. Slide with locking screw. On/off button. Suitable for measuring distances between internal slots.

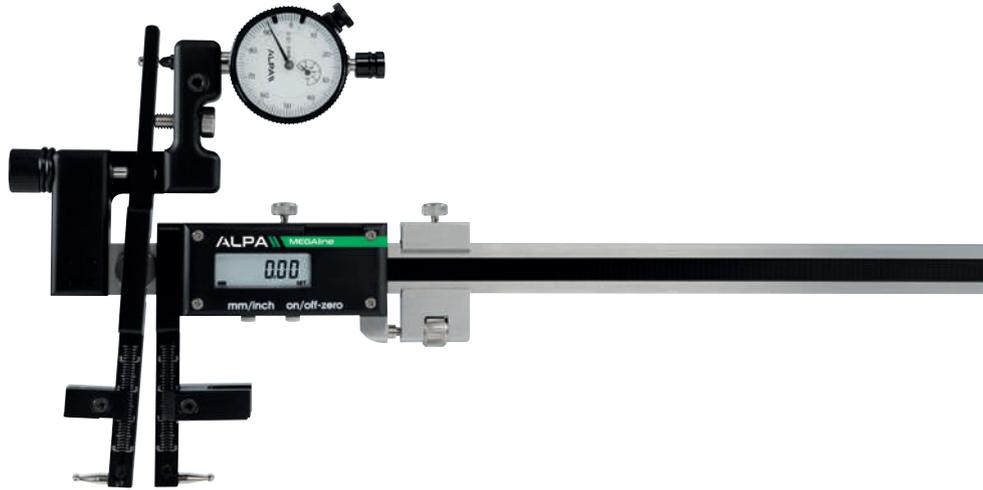
Code 1	€	Range mm
AA188125	165,00	3 ÷ 125
AA188200	220,00	3 ÷ 200



Digital calipers with long beaks for indoor use with presets

Accuracy ± 0.04 mm. Resolution 0.01 mm. Protection IP40. Hardened stainless steel construction. Slide with locking screw. On/off button.

Code 1	€	Range mm	Jaws mm
AA104150	150,00	0 ÷ 150	49,5
AA104200	170,00	0 ÷ 200	54,5
AA104300	240,00	0 ÷ 300	49,5



MEGAline

IP67 indoor/outdoor comparator gauge with preset

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Hardened stainless steel construction. Slide with locking screw. Interchangeable tips for grooves and threads. Supplied with dial indicator 0.01 \varnothing 40 mm. Analogue version also available on request.

Code 1	€	Range mm	Section mm	Length mm	Jaws mm
AA120200	1.833,00	20 \div 200 x 60	18 x 4	325	55
AA120300	2.383,00	24 \div 300 x 80	22 x 5	435	75
AA120500	2.590,00	24 \div 500 x 80	22 x 5	635	75



MEGAline

IP67 indoor/outdoor comparator gauge with preset

Accuracy ± 0.02 mm. Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Carbon fibre structure, light alloy parts. Caliper with locking screw and micrometric adjustment. Digital calipers for indoor/outdoor measuring with pull and push preload. Preload stroke 20 mm. Supplied with dial gauge 0.01 mm. D.20 spherical plate adapter and pair.

Code 1	€	Range mm	Section mm	Length mm	Jaws mm
AA125400	3.090,00	0 \div 400	30 x 20	550	75
AA125600	3.290,00	0 \div 600	30 x 20	750	75
AA125800	3.950,00	0 \div 800	30 x 20	950	75
AA1251000	4.390,00	0 \div 1000	30 x 20	1300	75
AA1251500	4.950,00	0 \div 1500	47 x 16	1800	75
AA1252000	5.900,00	0 \div 2000	47 x 16	2300	75
AA1252500	6.900,00	0 \div 2500	47 x 16	2800	75
AA1253000	7.400,00	0 \div 3000	47 x 16	3300	75



Set for internal and external measurements

Accurate, reliable and versatile instrument for measuring interiors, exteriors and gullies. Complete with: indicator/comparator with protective cover, pair of 50 mm measuring arms, pair of depth stops, pair of fixing inserts, pair of spherical contacts. Optionally available with Bluetooth indicator.

Measuring range extendable up to 3000mm with extensions

Digital or analogue readout

Special contacts available on request.

Code 3	€	Description
BA41002SET	3.790,00	Universal meter (small set)



Extension for universal gauges

Prolunghe da applicare al misuratore universale per incrementarne il campo di misura..

Code 1	€	Extension mm	Internal range mm
BA424150C	230,00	150	30 + 405
BA424500C	770,00	500	30 + 755
BA4241000C	1.065,00	1000	30 + 1255



Complete set for internal and external measurements

Precise, reliable and versatile instrument for measuring interiors, exteriors and throats. Complete with: analogue/digital dial indicator with protective cover, pair of 50, 75, 100 mm measuring arms, pair of 20 mm disc anvils, pair of 12 mm disc anvils for internal/external measurements, pair of shoulder anvils, pair of semi-cylindrical anvils, pair of depth stops, pair of clamping inserts, pair of flat anvils, pair of spherical anvils. Optionally available with Bluetooth indicator.

Measuring range extendable up to 3000mm with extensions

Digital or analogue readout

Special contacts available on request.

Code 3	€	Description
BA4000SET	6.270,00	Universal meter (large set)



Extension for universal gauges

Prolunghe da applicare al misuratore universale per incrementarne il campo di misura..

Code 1	€	Extension mm	Internal range mm
BA424150C	230,00	150	30 + 405
BA424500C	770,00	500	30 + 755
BA4241000C	1.065,00	1000	30 + 1255

NEW



Digital centesimal instrument for measuring internal grooves IP67

Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Data output.

Code 1	€	Range mm	Max. depth mm
BA35010080	890,00	26 ÷ 100	80
BA350100120	990,00	26 ÷ 100	120
BA350150120	990,00	75 ÷ 150	120
BA350150160	1.290,00	75 ÷ 150	160

Digital centesimal instrument for external groove measurements IP67

Resolution 0.01 mm. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Data output.

Code 1	€	Range mm	Max. depth mm
BA360075080	890,00	0-75	80
BA360075120	990,00	0-75	120
BA360150120	1.050,00	75-150	120
BA360150160	1.250,00	75-150	160



Outdoor Quick Gauge

Tungsten carbide contacts. Supplied with two pairs of contacts for flat, concave and convex surfaces. Indoor item measuring range 22 72 mm, other items measuring range 0 50 mm.

Code 1	€	Range mm	Resolution mm	Length mm	Height mm
BB39602150	945,00	0 ÷ 50	0,02	150	55
BB39602250	1.085,00	0 ÷ 50	0,02	250	55
BB39610150	850,00	0 ÷ 50	0,10	150	55
BB39610250	990,00	0 ÷ 50	0,10	250	55

Outdoor Quick Gauge

Tungsten carbide contacts. Supplied with two pairs of contacts for flat, concave and convex surfaces. Indoor item measuring range 22 72 mm, other items measuring range 0 50 mm.

Code 1	€	Range mm	Resolution mm	Length mm	Height mm
BB39902150	1.250,00	0 ÷ 50	0,02	150	15
BB39902250	1.430,00	0 ÷ 50	0,02	250	15
BB39910150	1.120,00	0 ÷ 50	0,10	150	15
BB39910250	1.310,00	0 ÷ 50	0,10	250	15



High-precision, indoor quick gauges

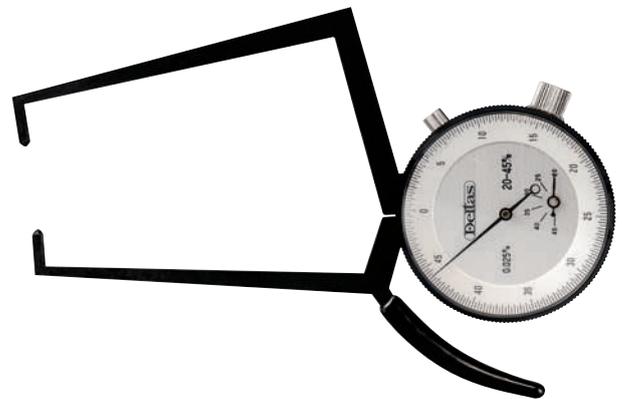
Resolution 0.01 mm. Patented shock-absorbing movement with only 2 mm travel for high-precision measurements. Cast iron instrument body and arms. Maximum thermal stability and repeatability. Interchangeable conical-profile probes for entry into deep and narrow grooves.

Code 1	€	Range mm	Spare contact points	Length mm
BB36534	310,00	20 ÷ 35	7 Sätze M2,5	165
BB36560	330,00	30 ÷ 62	5 Sätze M3.5	170
BB365150	350,00	55 ÷ 153	6 Sätze M3.5	183

Quick gauge for indoor use

Resolution 0.01 mm. Light alloy instrument body and arms. Rotating dial, carbide spherical contacts.

Code 1	€	Range mm	Length mm
BB360409	310,00	3 ÷ 9	64
BB360418	190,00	6 ÷ 18	64



Quick gauge for indoor use

Resolution 0.01 mm. Light alloy instrument body and arms. Rotating dial, carbide spherical contacts.

Code 1	€	Range mm	Length mm
BB3626430	285,00	10 ÷ 30	64
BB3626450	285,00	30 ÷ 50	64
BB3626470	335,00	50 ÷ 70	64

Outdoor Quick Gauge

Resolution 0.025 mm. carbide spherical contacts. rotating dial.

Code 1	€	Range mm	Length mm
BB37525	280,00	0 ÷ 25	80
BB37545	295,00	20 ÷ 45	80



IP67 digital micrometer with fast feed and preset

Resolution 0.001 mm. IP67 protection. Swiss electronics protected against dust and brief immersion in water. Automatic switch-on by moving the drum. Stand-by position memory. Drum stroke (10 mm/revolution). Selectable measuring force 5N / 10N (BA01030 version). Non-rotating stem. Tungsten carbide contacts. 6.5 mm diameter stem.

Code 1	€	Range mm	Accuracy mm
BA01030	465,00	0 ÷ 30	± 0,003
BA01066	670,00	30 ÷ 66	± 0,004
BA010102	875,00	66 ÷ 102	± 0,005

Code 1	€	Range mm	Accuracy mm
BA010136	2.260,00	100 ÷ 136	± 0,005
BA010161	2.450,00	125 ÷ 161	± 0,005

NEW



sylvac

IP67 digital micrometer with fast feed, Bluetooth® and presets

Resolution 0.001 mm. IP67 protection. Electronics protected against dust and brief immersion in water. Automatic switch-on by moving the drum. Stand-by position memory. Drum stroke (10 mm/revolution). Selectable measuring force 5N / 10N (BA012030BT version). Non-rotating stem. Tungsten carbide contacts. 6.5 mm diameter stem.

Code 1	€	Range mm	Accuracy mm
BA012030BT	570,00	0 ÷ 30	± 0,003
BA012066BT	780,00	30 ÷ 66	± 0,004

Code 1	€	Range mm	Accuracy mm
BA012102BT	995,00	66 ÷ 102	± 0,005

NEW



sylvac



Digital micrometer IP67 special tips with fast feed, Bluetooth® and presets

Resolution 0.001 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Automatic switch-on by moving the drum. Stand-by position memory. Drum stroke (10 mm/revolution). Selectable measuring force 5N / 10N (BA012030BT version). Non-rotating stem. Tungsten carbide contacts. Stem Ø 6.5 mm.

Code 1	€	Range mm	Accuracy mm
BA02125BDBT	1.160,00	0 ÷ 25	± 0,003
BA02125D2BT	860,00	0 ÷ 25	± 0,003

Code 1	€	Range mm	Accuracy mm
BA02125CRIMPBT	1.100,00	0 ÷ 25	± 0,003
BA02125POINTBT	1.150,00	0 ÷ 25	± 0,003

NEW



IP67 digital micrometer with Bluetooth® and presets

Resolution 0.001 mm. Protection IP67. Electronics protected against dust and brief immersion in water. Automatic switch-on by moving the drum. Stand-by position memory. Drum stroke (10 mm/revolution). Selectable measuring force 5N. Non-rotating stem. Tungsten carbide contacts.

Code 1	€	Range mm
BA022102DISCBT	1.140,00	66 ÷ 102
BA02230DISCBT	1.535,00	0 ÷ 30

Code 1	€	Range mm
BA02266DISCBT	1.680,00	30 ÷ 66



IP65 Digital Micrometer

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Contacts hard metal. Painted arc. On/off button.

Code 1	€	Range mm	Accuracy mm
BA02525	120,00	0 ÷ 25	± 0,002
BA02550	145,00	25 ÷ 50	± 0,002
BA02575	200,00	50 ÷ 75	± 0,002
BA025100	245,00	75 ÷ 100	± 0,002
BA025125	255,00	100 ÷ 125	± 0,002
BA025150	270,00	125 ÷ 150	± 0,002
BA025175	290,00	150 ÷ 175	± 0,003
BA025200	310,00	175 ÷ 200	± 0,003
BA025225	330,00	200 ÷ 225	± 0,004
BA025250	360,00	225 ÷ 250	± 0,004
BA025275	385,00	250 ÷ 275	± 0,005
BA025300	410,00	275 ÷ 300	± 0,005

IP65 digital micrometer with rapid feed

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Fast feed (2 mm/revolution). Tungsten carbide contacts. Painted arc.

Code 1	€	Range mm	Accuracy mm
BA02025	160,00	0 ÷ 25	± 0,002
BA02050	205,00	25 ÷ 50	± 0,003
BA02075	235,00	50 ÷ 75	± 0,003
BA020100	260,00	75 ÷ 100	± 0,002



Micrometer holder

Stand with cast iron oval base and interchangeable light alloy clamp.

Code 1	€	Dimensions mm	kg
BC060B	30,00	170 x 120 x 120 h	1



IP40 Digital Micrometer

Resolution 0.001 mm. IP40 protection. Contacts hard metal. Painted arc. On/off button.

Code 1	€	Range mm	Accuracy mm
BA02725	70,00	0 ÷ 25	± 0,003
BA02750	90,00	25 ÷ 50	± 0,003



Digital micrometer for IP65 pipes with spherical końcówka and presets

Resolution 0.001 mm. Protection IP65. Electronics protected against dust and water jets. Contacts hard metal. Painted arc.

Code 1	€	Range mm	Accuracy mm
BA06525	200,00	0 ÷ 25	± 0,002



IP65 digital micrometer with disk końcówka and presets

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Painted arc. Non-rotating stem. Suitable for gear measurement.

Code 1	€	Range mm	Accuracy mm	Ø mm
BA05025	225,00	0 ÷ 25	± 0,004	8
BA05050	250,00	25 ÷ 50	± 0,004	8
BA05075	265,00	50 ÷ 75	± 0,005	8
BA050100	280,00	75 ÷ 100	± 0,005	8



Digital millesimal micrometer for IP65 quarries with preset

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Contacts with carbide blade. Painted arc. Non-rotating stem.

Code 1	€	Range mm	Accuracy mm
BA06025	225,00	0 ÷ 25	± 0,002
BA06050	255,00	25 ÷ 50	± 0,002
BA06075	275,00	50 ÷ 75	± 0,003
BA060100	290,00	75 ÷ 100	± 0,003



Digital micrometer for IP65 threads with preset

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Contacts tungsten carbide. Painted arc. Locking screw. Rotating stem. 60° anvils for measuring average diameters of external metric threads.

Code 1	€	Range mm	Accuracy mm	Ø mm	Included set anvils 60°
BA08025	265,00	0 ÷ 25	± 0,002	6,5	1-2-3-4-5
BA08050	270,00	25 ÷ 50	± 0,002	6,5	2-3-4-5-6
BA08075	290,00	50 ÷ 75	± 0,002	6,5	3-4-5-6
BA080100	305,00	75 ÷ 100	± 0,003	6,5	3-4-5-6
BA080125	340,00	100 ÷ 125	± 0,003	6,5	4-5-6
BA080150	365,00	125 ÷ 150	± 0,003	6,5	4-5-6



Millesimal micrometer with analogue indicator IP54

Resolution 0.001 mm. IP54 protection. Electronics protected against dust and splash water. Tungsten carbide contacts. Painted arc. Non-rotating stem. Retractable anvil. Indicator for precision measurements in series inspections.

Code 1	€	Range mm	Accuracy mm
BB04025	315,00	0 ÷ 25	± 0,003
BB04050	335,00	25 ÷ 50	± 0,003
BB04075	400,00	50 ÷ 75	± 0,004
BB040100	505,00	75 ÷ 100	± 0,004



Centesimal micrometer with counter

Resolution 0.01 mm. Tungsten carbide contacts. Painted arc. Mechanical counter for fast reading.

Code 1	€	Range mm	Accuracy mm
BB01025	60,00	0 ÷ 25	± 0,004
BB01050	70,00	25 ÷ 50	± 0,004
BB01075	80,00	50 ÷ 75	± 0,005
BB010100	85,00	75 ÷ 100	± 0,005



Centesimal micrometer with large drum

Resolution 0.01 mm. Drum stroke (1 mm/revolution). Tungsten carbide contacts. Painted arc. Drum friction.

Code 1	€	Range mm	Accuracy mm
BB03025	70,00	0 ÷ 25	± 0,004
BB03050	75,00	25 ÷ 50	± 0,004
BB03075	80,00	50 ÷ 70	± 0,005
BB030100	95,00	75 ÷ 100	± 0,005
BB030125	115,00	100 ÷ 125	± 0,006
BB030150	130,00	125 ÷ 150	± 0,006
BB030175	150,00	150 ÷ 175	± 0,007
BB030200	165,00	175 ÷ 200	± 0,007



Outdoor micrometer

Resolution 0.01 mm. Tungsten carbide contacts. Painted arc with heat-insulating pads. Sensitive clutch on drum. Matt chrome-plated graduated drum.

Code 1	€	Range mm	Accuracy mm
BB002025	35,00	0 ÷ 25	± 0,004
BB002050	60,00	25 ÷ 50	± 0,004
BB002075	80,00	50 ÷ 75	± 0,005
BB002100	90,00	75 ÷ 100	± 0,005
BB002125	100,00	100 ÷ 125	± 0,006
BB002150	110,00	125 ÷ 150	± 0,006
BB002175	150,00	150 ÷ 175	± 0,007
BB002200	180,00	175 ÷ 200	± 0,007



Centesimal micrometer

Resolution 0.01 mm. Contacts tungsten carbide. Painted arc.

Code 1	€	Range mm	Accuracy mm
BB01525	30,00	0 ÷ 25	± 0,004
BB01550	33,00	25 ÷ 50	± 0,004
BB01575	35,00	50 ÷ 75	± 0,005
BB015100	40,00	75 ÷ 100	± 0,005
BB015125	45,00	100 ÷ 125	± 0,006
BB015150	50,00	125 ÷ 150	± 0,006
BB015175	60,00	150 ÷ 175	± 0,007
BB015200	68,00	175 ÷ 200	± 0,007
BB015225	75,00	200 ÷ 225	± 0,008
BB015250	80,00	225 ÷ 250	± 0,008
BB015275	90,00	250 ÷ 275	± 0,009
BB015300	98,00	275 ÷ 300	± 0,009

Centesimal micrometer set

Resolution 0.01 mm. Contacts tungsten carbide. Painted arc.

Code 1	€	Range mm	Composition
BB020100SET	115,00	Set 0 to 100	BB01525 - BB01550 - BB01575 - BB015100
BB020150SET	200,00	Set 0 ÷ 150	BB01525 - BB01550 - BB01575 - BB015100 - BB015125 - BB01550
BB020300SET	570,00	Set 0 to 300	BB01525 - BB01550 - BB01575 - BB015100 - BB015125 - BB015150 - BB015175 - BB015200 - BB015225 - BB015250 - BB015275 - BB015300

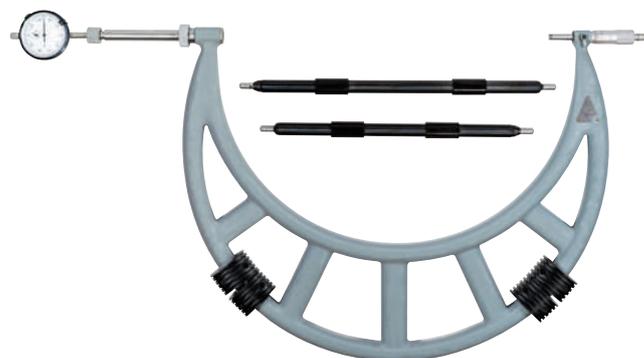


Centesimal micrometer

Resolution 0.01mm. Matt chrome-plated graduated drum, sensitive clutch, locking lever. Supplied with zeroing rods. Painted arch. Wooden packaging not contestable in case of breakage during transport.

Code 1	€	Range mm	Accuracy mm	Arch
BB006100	155,00	0 ÷ 100	± 0,007	Solid
BB006200	190,00	100 ÷ 200	± 0,008	Solid
BB006300	230,00	200 ÷ 300	± 0,009	Solid
BB006400	310,00	300 ÷ 400	± 0,011	Tubular
BB006500	345,00	400 ÷ 500	± 0,013	Tubular
BB006600	425,00	500 ÷ 600	± 0,015	Tubular
BB006700	470,00	600 ÷ 700	± 0,016	Tubular
BB006800	550,00	700 ÷ 800	± 0,018	Tubular

Code 1	€	Range mm	Accuracy mm	Arch
BB006900	660,00	800 ÷ 900	± 0,020	Tubular
BB0061000	735,00	900 ÷ 1000	± 0,020	Tubular
BB0061200	1.290,00	1000 ÷ 1200	± 0,020	Tubular
BB0061400	1.425,00	1200 ÷ 1400	± 0,024	Tubular
BB0061600	1.540,00	1400 ÷ 1600	± 0,028	Tubular
BB0061800	1.740,00	1600 ÷ 1800	± 0,031	Tubular
BB0062000	1.930,00	1800 ÷ 2000	± 0,034	Tubular

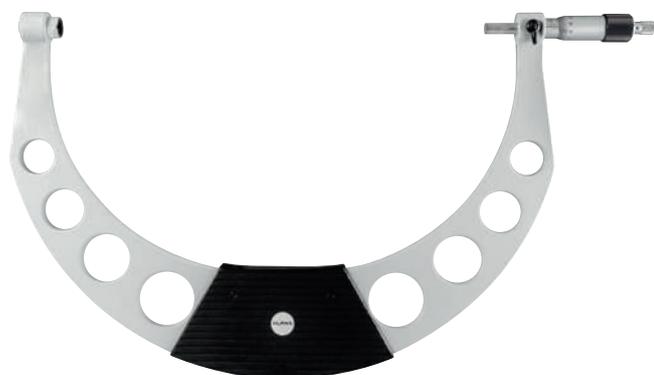


Centesimal micrometer with dial indicator

Resolution 0.01mm. Wide measuring range and high accuracy, suitable for series measurements. Centesimal dial indicator with 0-5mm measuring range, maximum force 10N. Painted arc. Wooden packaging, not disputable in case of breakage during transport.

Code 1	€	Range mm	Accuracy mm	Arch
BB007100	290,00	0 ÷ 100	± 0,006	Solid
BB007200	360,00	100 ÷ 200	± 0,007	Solid
BB007300	420,00	200 ÷ 300	± 0,008	Solid
BB007400	480,00	300 ÷ 400	± 0,009	Tubular
BB007500	560,00	400 ÷ 500	± 0,010	Tubular

Code 1	€	Range mm	Accuracy mm	Arch
BB007600	615,00	500 ÷ 600	± 0,011	Tubular
BB007700	720,00	600 ÷ 700	± 0,012	Tubular
BB007800	825,00	700 ÷ 800	± 0,013	Tubular
BB007900	930,00	800 ÷ 900	± 0,014	Tubular
BB0071000	1.050,00	900 ÷ 1000	± 0,015	Tubular



Centesimal micrometer

Resolution 0.01 mm. Tungsten carbide contacts. Painted arc with heat-insulating pads. Clutch on drum. Matt chrome-plated graduated drum.

Code 1	€	Range mm	Accuracy mm
BB004300	450,00	200 ÷ 300	± 0,009
BB004400	820,00	300 ÷ 400	± 0,011
BB004500	890,00	400 ÷ 500	± 0,013

Centesimal micrometer for indoor use with modular extensions

Resolution: 0.01 mm. Hard metal contacts.

Code 1	€	Range mm	Composition mm
BB25063	95,00	50 ÷ 63	Micrometer head only
BB250150	115,00	50 ÷ 150	13 - 25 - 50
BB250300	140,00	50 ÷ 300	13 - 25 - 50 (2 pcs.) - 100
BB250600	210,00	50 ÷ 600	13 - 25 - 50 - 100 - 150 - 200
BB2501000	480,00	50 ÷ 1000	13 - 25 - 50 - 100 (2 pcs.) - 150 - 200 - 300
BB2501500	850,00	50 ÷ 1500	13 - 25 - 50 - 100 (2 pcs.) - 150 - 200 (2 pcs.) - 300 (2 pcs.) - 25 - 50 (2 pcs.)
BB2502000	1.100,00	150 ÷ 2000	100 - 200 (2 pcs.) - 400 (3 pcs.)
BB2503000	1.890,00	1000 ÷ 3000	50 - 100 (2 pcs.) - 200 - 500 - 1000



IP65 digital micrometer head

Resolution 0.001 mm. Protection IP65. Electronics protected against dust and water jets. Contacts hard metal.

Code 1	€	Range mm	Accuracy mm
BA08725	175,00	0 ÷ 25	± 0,003
BA08750	275,00	0 ÷ 50	± 0,005



IP65 digital micrometer screw with Bluetooth®

Resolution 0.0001mm. Protection IP65. Electronics protected against dust and water jets. Mounting shank Ø12 h6. Larger measuring range than standard micrometers 30mm. Screw pitch 2mm. Selectable measuring force 5N/10N.

Code 1	€	Range mm
BA08830	860,00	0 ÷ 30



IP65 digital millesimal depth micrometer with preset

Resolution 0.001 mm. IP65 protection. Electronics protected against dust and water jets. Carbide spherical końcówka. Supplied with interchangeable rods.

Code 1	€	Range mm	Accuracy mm	Jaws mm
BA09025	200,00	0 ÷ 25	± 0,003	101,5
BA090100	220,00	0 ÷ 100	± 0,003	101,5
BA090200	260,00	0 ÷ 200	± 0,003	101,5



Analogue indoor micrometer

Supplied with UKAS certificate of XTA measuring heads and calibration rings. Large measuring travel. Wide range 2-300 mm. Easily readable scale. * 2-6 mm measurement on 2 points.

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm
BB3002,5	1.030,00	2 ÷ 2,5*	0,004	9	2,5
BB3003	1.030,00	2,5 ÷ 3*	0,004	9	2,5
BB3004	920,00	3 ÷ 4*	0,004	12	4
BB3005	920,00	4 ÷ 5*	0,004	18	4
BB3006	825,00	5 ÷ 6*	0,004	18	5
BB3008	420,00	6 ÷ 8	0,004	58	8
BB30010	385,00	8 ÷ 10	0,004	58	8
BB30012,5	390,00	10 ÷ 12,5	0,004	58	12,5
BB30016	420,00	12,5 ÷ 16	0,004	62	12,5
BB30020	450,00	16 ÷ 20	0,004	62	20
BB30025	450,00	20 ÷ 25	0,004	66	20
BB30035	615,00	25 ÷ 35	0,004	66	35

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm
BB30050	630,00	35 ÷ 50	0,004	80	35
BB30065	705,00	50 ÷ 65	0,005	80	65
BB30080	755,00	65 ÷ 80	0,005	80	65
BB300100	955,00	80 ÷ 100	0,005	100	80
BB300125	960,00	100 ÷ 125	0,006	115	125
BB300150	1.110,00	125 ÷ 150	0,006	115	125
BB300175W	1.290,00	150 ÷ 175	0,007	115	175
BB300200W	1.510,00	175 ÷ 200	0,007	115	175
BB300225W	1.605,00	200 ÷ 225	0,008	118	225
BB300250W	1.665,00	225 ÷ 250	0,008	118	225
BB300275W	1.770,00	250 ÷ 275	0,009	118	275
BB300300W	1.870,00	275 ÷ 300	0,009	118	275



Extension for digital hole micrometers

Extensions of different lengths to fit XT, XTH and XTA to reach greater depths.

Code 1	€	A mm	To fit heads mm
BC07510	130,00	63	6 ÷ 10
BC07512,5	130,00	76	10 ÷ 12,5
BC07520	130,00	100	12,5 ÷ 20
BC07550	190,00	150	20 ÷ 50
BC075300	210,00	150	50 ÷ 300

Analogue micrometer set for indoor use

Code 1	€	Range mm	Measuring heads Pcs.	Setting rings Pcs.
BB3103SET	1.745,00	2 ÷ 3	2	1
BB3106SET	2.365,00	3 ÷ 6	3	2
BB31010SET	690,00	6 ÷ 10	2	1
BB31020SET	1.150,00	10 ÷ 20	3	2
BB31050SET	1.640,00	20 ÷ 50	3	2
BB310100SET	2.205,00	50 ÷ 100	3	2
BB310150SET	1.750,00	100 ÷ 150	2	1
BB310200SET	2.420,00	150 ÷ 200	2	1



Setting ring for hole micrometers

Resetting ring for digital and analogue indoor micrometers, XT, XTH and XTA series. Supplied with UKAS certificate.

Code 1	€	Setting rings mm
BC080125	370,00	125
BC080175	515,00	175
BC080225	795,00	225



Dispositivo di connessione Bluetooth necessario per il collegamento a pc e laptop.



98€

BC076BLE



IP67 indoor digital micrometer with Bluetooth® and preset

Resolution 0.001 mm. IP67 protection. Electronics protected against dust and brief immersion in water. Supplied with UKAS certificate of measuring heads and calibration rings. Measuring heads for threads, grooves, deep bores and many other applications available on request.

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm	Display BT
BA2113	1.765,00	2,5 ÷ 3*	0,004	9	2,5	BA2076
BA2114	1.765,00	3 ÷ 4*	0,004	12	4	BA2076
BA2115	1.750,00	4 ÷ 5*	0,004	18	4	BA2076
BA2116	1.750,00	5 ÷ 6*	0,004	18	5	BA2076
BA2118	1.130,00	6 ÷ 8	0,004	58	8	BA20710
BA21110	1.130,00	8 ÷ 10	0,004	58	8	BA20710
BA21112,5	1.145,00	10 ÷ 12,5	0,004	58	12,5	BA20720
BA21116	1.260,00	12,5 ÷ 16	0,004	62	12,5	BA20720
BA21120	1.260,00	16 ÷ 20	0,004	62	20	BA20720
BA21125	1.500,00	20 ÷ 25	0,004	66	20	BA20750
BA21135	1.660,00	25 ÷ 35	0,004	66	35	BA20750
BA21150	1.720,00	35 ÷ 50	0,004	80	35	BA20750

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm	Display BT
BA21165	1.895,00	50 ÷ 65	0,005	80	65	BA207100
BA21180	1.895,00	65 ÷ 80	0,005	80	65	BA207100
BA211100	1.900,00	80 ÷ 100	0,005	100	80	BA207100
BA211125	2.160,00	100 ÷ 125	0,006	115	125	BA207200
BA211150	2.240,00	125 ÷ 150	0,006	115	125	BA207200
BA211175W	2.220,00	150 ÷ 175	0,007	115	-	BA207200
BA211200W	2.150,00	175 ÷ 200	0,007	115	-	BA207200
BA211225W	2.580,00	200 ÷ 225	0,008	118	-	BA207300
BA211250W	2.880,00	225 ÷ 250	0,008	118	-	BA207300
BA211275W	3.010,00	250 ÷ 275	0,009	118	-	BA207300
BA211300W	3.330,00	275 ÷ 300	0,009	118	-	BA207300



Extension for digital hole micrometers

Extensions of different lengths to fit XT, XTH and XTA to reach greater depths.

Code 1	€	A mm	To fit heads mm
BC07510	130,00	63	6 ÷ 10
BC07512,5	130,00	76	10 ÷ 12,5
BC07520	130,00	100	12,5 ÷ 20
BC07550	190,00	150	20 ÷ 50
BC075300	210,00	150	50 ÷ 300

IP67 indoor digital micrometer set with Bluetooth® and presets

Code 1	€	Range mm	Measuring heads Pcs.	Setting rings Pcs.
BA2126SET	3.690,00	2 ÷ 6	5	3
BA21210SET	1.490,00	6 ÷ 10	2	1
BA21220SET	1.925,00	10 ÷ 20	3	2
BA21250SET	2.630,00	20 ÷ 50	3	2
BA212100SET	2.920,00	50 ÷ 100	3	2
BA212150SET	2.420,00	100 ÷ 150	2	1
BA212200SET1	3.025,00	150 ÷ 200	2	1
BA212200SET2	4.870,00	100 ÷ 200	4	2



Setting ring for hole micrometers

Resetting ring for digital and analogue indoor micrometers, XT, XTH and XTA series. Supplied with UKAS certificate.

Code 1	€	Setting rings mm
BC080125	370,00	125
BC080175	515,00	175
BC080225	795,00	225



Bluetooth connection device required to connect to PCs and laptops.



98€

BC076BLE



IP67 digital micrometer for indoor use with Bluetooth® and presets

Resolution 0.001 mm. IP67 protection. Electronics protected against dust and brief immersion in water. 4 Presets. Supplied with UKAS certificate of measuring heads and calibration rings. High repeatability pistol trigger. Ideal for series inspection. Carbide contacts. Measuring blind holes from Ø 12.5 mm. Measuring heads for threads, grooves, deep holes and many other applications available on request.

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm	Display BT
BA2258	1.275,00	6 ÷ 8	0,004	58	8	BA23220
BA22510	1.340,00	8 ÷ 10	0,004	58	8	BA23220
BA22512,5	1.360,00	10 ÷ 12,5	0,004	58	12,5	BA23220
BA22516	1.380,00	12,5 ÷ 16	0,004	62	12,5	BA23220
BA22520	1.425,00	16 ÷ 20	0,004	62	20	BA23220
BA22525	1.510,00	20 ÷ 25	0,004	66	20	BA232100
BA22535	1.645,00	25 ÷ 35	0,004	66	35	BA232100
BA22550	1.690,00	35 ÷ 50	0,004	80	35	BA232100
BA22565	1.730,00	50 ÷ 65	0,005	80	65	BA232100
BA22580	1.730,00	65 ÷ 80	0,005	80	65	BA232100

Code 1	€	Range mm	Accuracy mm	Depth mm	Ring mm	Display BT
BA225100	1.890,00	80 ÷ 100	0,005	85	80	BA232100
BA225125	1.935,00	100 ÷ 125	0,006	100	125	BA232300
BA225150	2.020,00	125 ÷ 150	0,006	100	125	BA232300
BA225175	2.250,00	150 ÷ 175	0,007	100	175	BA232300
BA225200	2.350,00	175 ÷ 200	0,007	100	175	BA232300
BA225225W	2.600,00	200 ÷ 225	0,008	100	-	BA232300
BA225250W	2.850,00	225 ÷ 250	0,008	103	-	BA232300
BA225275W	3.045,00	250 ÷ 275	0,009	103	-	BA232300
BA225300W	3.395,00	275 ÷ 300	0,009	103	-	BA232300



IP67 Quick-acting Indoor Digital Micrometer Set with Bluetooth® and Presets

Code 1	€	Range mm	Measuring heads Pcs.	Setting rings Pcs.
BA2423SET	4.450,00	2 ÷ 6	5	3
BA24210SET	1.590,00	6 ÷ 10	2	1
BA24220SET	1.945,00	10 ÷ 20	3	2
BA24250SET	2.525,00	20 ÷ 50	3	2
BA242100SET	2.825,00	50 ÷ 100	3	2
BA242150SET	2.530,00	100 ÷ 150	2	1
BA242200SET	3.360,00	150 ÷ 200	2	1
BA24220SETL	2.330,00	6 ÷ 20	5	3
BA242100SETL	4.155,00	20 ÷ 100	6	2
BA242200SETL	5.585,00	100 ÷ 200	4	2



Extension for digital hole micrometers

Extensions of different lengths to fit XT, XTH and XTA to reach greater depths.

Code 1	€	A mm	To fit heads mm
BC07510	130,00	63	6 ÷ 10
BC07512,5	130,00	76	10 ÷ 12,5
BC07520	130,00	100	12,5 ÷ 20
BC07550	190,00	150	20 ÷ 50
BC075300	210,00	150	50 ÷ 300



Setting ring for hole micrometers

Resetting ring for digital and analogue indoor micrometers, XT, XTH and XTA series. Supplied with UKAS certificate.

Code 1	€	Setting rings mm
BC080125	370,00	125
BC080175	515,00	175
BC080225	795,00	225



Centesimal micrometer set for indoor use with three tips

Supplied with zeroing rings and extensions (100mm -150mm).

Code 1	€	Range mm	Extension mm	Dimensions mm	Ring Ø mm
BB27212SET	655,00	6 ÷ 12	100	6-8/8-10/10-12	6/8/10
BB27220SET	420,00	12 ÷ 20	150	12-16/16-20	16

Code 1	€	Range mm	Extension mm	Dimensions mm	Ring Ø mm
BB27240SET	765,00	20 ÷ 40	150	20-25/25-30/30-40	25/40
BB272100SET	1.495,00	40 ÷ 100	150	40-50/50-63/62-75/75-88/87-100	40/62/87



Centesimal three-point indoor micrometer

Resolution 0.01 mm. Graduated drum with sensitive friction. Supplied with ring and extension. Reading range 6-12 mm 0.001, over 0.005 mm.

Code 1	€	Range mm	Accuracy mm	Ring mm	Extension mm
BB2708	255,00	6 ÷ 8	± 0,004	6	100
BB27010	255,00	8 ÷ 10	± 0,004	8	100
BB27012	255,00	10 ÷ 12	± 0,004	10	100
BB27016	230,00	12 ÷ 16	± 0,004	16	150
BB27020	230,00	16 ÷ 20	± 0,004	16	150
BB27025	290,00	20 ÷ 25	± 0,004	25	150
BB27030	290,00	25 ÷ 30	± 0,004	25	150
BB27040	340,00	30 ÷ 40	± 0,004	40	150
BB27050	355,00	40 ÷ 50	± 0,005	40	150
BB27063	355,00	50 ÷ 63	± 0,005	62	150
BB27075	380,00	62 ÷ 75	± 0,005	62	150
BB27088	415,00	75 ÷ 88	± 0,005	87	150
BB270100	435,00	87 ÷ 100	± 0,005	87	150

Three-pronged indoor micrometer

Resolution 0.005 mm. Graduated drum with sensitive friction. Supplied without ring and extension.

Code 1	€	Range mm	Accuracy mm
BB271125	475,00	100 ÷ 125	± 0,005
BB271150	475,00	125 ÷ 150	± 0,005
BB271175	475,00	150 ÷ 175	± 0,005
BB271200	475,00	175 ÷ 200	± 0,005
BB271225	660,00	200 ÷ 225	± 0,010
BB271250	660,00	225 ÷ 250	± 0,010
BB271275	670,00	250 ÷ 275	± 0,010
BB271300	670,00	275 ÷ 300	± 0,010



MEGARod

Digital dial indicator IP67 with preset Ø 59.5

Resolution 0.001. Protection IP67. Swiss electronics protected against dust and brief immersion in water. Connection Ø 8 h 6 mm. Interchangeable measuring pin M2.5 (DIN878). Proximity data output. USB or RS connection.

Code 1	€	Range mm	Resolution mm
CA01012,5	640,00	0 ÷ 12,5	0,001
CA01025	700,00	0 ÷ 25	0,001
CA01050	1.215,00	0 ÷ 50	0,001



MEGARod

Digital dial indicator IP54 with preset Ø 59.5

IP54 protection. Swiss electronics protected against dust and splash water. Ø 8 h 6 mm connection. Interchangeable tip M2.5 (DIN878). Proximity data output. USB or RS connection.

Code 1	€	Range mm	Resolution mm
CA01512,5C	445,00	0 ÷ 12,5	0,01
CA01512,5M	560,00	0 ÷ 12,5	0,001
CA01525C	495,00	0 ÷ 25	0,01
CA01525M	600,00	0 ÷ 25	0,001
CA01550C	780,00	0 ÷ 50	0,01
CA01550M	840,00	0 ÷ 50	0,001



Digital dial indicator IP54 Ø 59.5

IP54 protection. Swiss electronics protected against dust and splash water. Ø 8 h 6 mm connection. Interchangeable measuring button M2.5 (DIN878). Proximity data output. USB or RS connection.

Code 1	€	Range mm	Resolution mm
CA01812,5C	375,00	0 ÷ 12,5	0,01
CA01812,5M	425,00	0 ÷ 12,5	0,001
CA01825C	405,00	0 ÷ 25	0,01
CA01825M	465,00	0 ÷ 25	0,001
CA01850C	695,00	0 ÷ 50	0,01
CA01850M	775,00	0 ÷ 50	0,001



5 Functions

IP40 digital dial indicator with large display Ø 56.5

Protection IP40. Cylindrical connection Ø 8 mm.

Code 1	€	Range mm	Resolution mm
CA02012,5C	105,00	0 ÷ 12,5	0,01
CA02012,5M	125,00	0 ÷ 12,5	0,001
CA02025C	145,00	0 ÷ 25	0,01
CA02050C	250,00	0 ÷ 50	0,01



NEW



S_Dial WORK CBG



S_Dial TEST Smart



S_Dial WORK Smart

Digital dial indicator for IP54 bore gauges with Bluetooth® and preset Ø 59.5

SYLVAC electronics with integrated Bluetooth data transmission and automatic stand-by. Additional Power and Proximity data output. Robust, splash and dust-proof design. Bore gauge-specific measuring functions. PRESET storage on reversal point (minimum diameter). Smart measurement of inside diameters with reversal point search. Data transmission and reset in one step. Automatic switch-on and stand-by. Absolute system. Cylindrical shank Ø8mm.

Code 1	€	Range mm	Resolution mm
CA03012,5BT	740,00	12,5	0,001

Digital IP54 digital dial indicator Ø 42.7 with Bluetooth® and presets

Resolution 0.001 mm. IP54 protection. Electronics protected against dust and splash water. Analogue scale with programmable resolution. Programmable third button. Compact display.

Code 1	€	Range mm	Resolution mm
CA02608125BT	540,00	0,8	0,001
CA0262365BT	605,00	2,0	0,001
CA026082BT	660,00	0,8 / 2,0	0,001

IP54 digital dial indicator with Bluetooth® and presets Ø 59,5

IP54 protection. Electronics protected against dust and splash water. Connection Ø 8 h 6 mm. Interchangeable ferrule M2.5 (DIN878). Proximity data output. USB or RS connection.

Code 1	€	Range mm	Resolution mm
CA01712,5BT	720,00	0 ÷ 12,5	0,001
CA01725BT	770,00	0 ÷ 25	0,001
CA01750BT	990,00	0 ÷ 50	0,001
CA017100BT	1.590,00	0 ÷ 100	0,001

NEW



NEW



TP



ST



AU

S_Dial Mini Smart

Digital dial indicator IP54 Ø 45

IP54 protection with electronics protected against dust and splash water, fixed dial, Ø 8 h 6 mm fitting and hardened stainless steel shank and stem.

Code 1	€	Range mm	Resolution mm	Version
CA02412,5C	340,00	12,5	0,01	Standard
CA02412,5M	480,00	12,5	0,001	Standard
CA02512,5C	360,00	12,5	0,01	Protected
CA02512,5M	510,00	12,5	0,001	Protected

IP67 digital dial indicator Ø 45 with Bluetooth® and presets

0.01 mm resolution, IP67 protection, data transmission via Bluetooth®, fixed dial, analogue scale with programmable resolution and large display. Hardened stainless steel shank and stem, carbide contacts with M2.5 thread and programmable third button.

Code 1	€	Range mm	Resolution mm	Version
CA022STBT	435,00	12,5	0,01	Standard
CA022TPBT	440,00	12,5	0,01	Flat head
CA022AUBT	448,00	12,5	0,01	Protected
CA023STBT	585,00	12,5	0,001	Standard
CA023TPBT	575,00	12,5	0,001	Flat head
CA023AUBT	595,00	12,5	0,001	Protected



Dial indicator Ø 40 mm

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Metal case and ferrule. Steel ferrule.

Code 1	€	Range mm	Resolution mm
CB01305	30,00	0 ÷ 5	0,01

Centesimal dial indicator

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Metal case and ferrule. Steel ferrule.

Code 1	€	Range mm	Resolution mm
CB01410	26,00	0 ÷ 10	0,01
CB01425	38,00	0 ÷ 25	0,01
CB01430	59,00	0 ÷ 30	0,01

Dial indicator Ø 40 mm

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Metal case and ferrule. Steel ferrule.

Code 1	€	Range mm	Resolution mm
CB02150	85,00	0 ÷ 50	0,01



NEW



Dial indicator Ø 58 mm

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Metal case and bezel. Shock-proof movement only for CB00510.

Code 1	€	Range mm	Resolution mm
CB00510	39,00	0 ÷ 10	0,01
CB00525	75,00	0 ÷ 25	0,01
CB00530	80,00	0 ÷ 30	0,01

Dial indicator Ø 40 mm

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Stainless steel shaft and shank.

Code 1	€	Range mm	Resolution mm
CB00605	50,00	0 ÷ 5	0,01

Shock-proof centesimal dial indicator

Metal case and bezel. Tolerance indicators.

Code 1	€	Range mm	Resolution mm
CB01210ST	30,00	0 ÷ 10	0,01



TECLOCK®



Centesimal dial indicator

Accuratezza secondo UNI 4180. Risoluzione 0,01. Attacco cilindrico Ø 8 mm. Movimento antiurto

ST = Standard
WP = Impermeabile
STF = Fondello piatto.

Code 1	€	Range mm	Resolution mm	Ø mm
CB01010STF	45,00	0 ÷ 10	0,01	55
CB01010ST	45,00	0 ÷ 10	0,01	56
CB01010WP	115,00	0 ÷ 10	0,01	58

Dial indicator Ø 88 mm long-stroke

Accuracy according to UNI 4180. Resolution 0.01. Cylindrical shank Ø 8 mm. Stainless steel shaft and shank. Ruby-mounted movement. Index of millimetres concentric with that of hundredths.

Code 1	€	Range mm	Resolution mm
CB00750	180,00	0 ÷ 50	0,01

NEW



Dial indicator dial gauge Ø 58 mm

Accuracy according to UNI 4180. Resolution 0.001. Cylindrical shank Ø 8 mm. Stroke 5 mm. Stainless steel shank. Tungsten carbide tip.

Code 1	€	Range mm	Resolution mm
CB0560	110,00	0 ÷ 5	0,001

Dial indicator dial gauge Ø 58 mm

Accuracy according to UNI 4180. Resolution 0.001. Cylindrical shank Ø 8 mm. Stainless steel shank. Tungsten carbide tip.

Code 1	€	Range mm	Resolution mm
CB0261	85,00	0 ÷ 1	0,001



CB050270,8



CB050270,5



CB00605

CB050270,2



CB050370,8



CB050370,5



CB050370,2

MEGAtast

Lever-operated dial indicator

Conforme a DIN 2270A. Attacco a coda di rondine \varnothing 8 mm. Cassa monoblocco cromata. Movimento antiurto montato su rubini. Inversione automatica del senso di misurazione. Quadrante di azzeramento girevole. Tastatore intercambiabile. Sfera in metallo duro. Orientabile a 270°. Montato su microcuscinetti a sfera. Filetto M1,4. Puntalini intercambiabili CB051

Code 1	€	Range mm	Resolution mm	Tastatore mm
CB050270,8	165,00	0 ÷ 0,8	0,01	12
CB050270,2	180,00	0 ÷ 0,2	0,002	12
CB050270,5	205,00	0 ÷ 0,5	0,01	36
CB050370,8	180,00	0 ÷ 0,8	0,01	12
CB050370,2	195,00	0 ÷ 0,2	0,002	12
CB050370,5	225,00	0 ÷ 0,5	0,01	36

CB0520200229
CB0520200238



CB052080129
CB052080129L
CB052080138
CB052080138L



Lever-operated dial indicator

Automatic inversion. Revolving zeroing dial. Dovetail and cylindrical connection Ø 8 mm. Thread M1.6. Interchangeable CB053 tips.

Code 1	€	Range mm	Resolution mm	Tastatore mm
CB052080129	75,00	0 ÷ 0,8	0,01	16,5
CB052080129L	95,00	0 ÷ 0,8	0,01	30,5
CB052080138	85,00	0 ÷ 0,8	0,01	16,5
CB052080138L	105,00	0 ÷ 0,8	0,01	30,5
CB0520200229	105,00	0 ÷ 0,2	0,002	16
CB0520200238	120,00	0 ÷ 0,2	0,002	16



Accessories for dial gauges

Accessories for clamping different types of dial gauges.

Code 1	€	Fig.	Description
CC070D	25,00	4	Centring support for perpendicular models, with cylindrical body ø 8 x 25 mm. Clamping point for clamping rod and attachment dovetail ø 4mm.
CC070F	80,00	6	Jointed rod for workpiece centring ø 8 x 40mm
CC070A	15,00	1	Mounting rod, dovetail connection ø 4mm
CC070B	15,00	2	Mounting rod, dovetail connection ø 8mm
CC070C	85,00	3	Long articulated stand, cylindrical body dovetail connection ø 8 x 90mm
CC070E	95,00	5	Long articulated stand with cylindrical body dovetail connection and fine adjustment ø 8 x 125mm



Magnetic dial indicator holder with central locking

Magnetic base. Fully articulated rods. Ø 8 mm connection. Centralised locking. Micrometric adjustment. Ground flat and V-shaped support surfaces.

Code 1	€	Arm length mm	Holding power kg	Description
CD016ME	195,00	345	100	Mechanic
CD016MEL	270,00	426	100	Mechanic

Jointed key dial indicator holder

Magnetic base M8. Fully jointed rods Ø 14 mm. Shank Ø 8 mm. Central locking. Micrometric adjustment.

Code 1	€	Locking	Arm length mm
CD021M80	100,00	Complete	340



Magnetic dial indicator holder with centralised hydraulic clamping

Magnetic base. Fully articulated rods. Ø 8 mm connection. Centralised hydraulic clamping. Micrometric adjustment. Ground flat and V-shaped support surfaces.

Code 1	€	Arm length mm	Holding power kg	Description
CD018ID	190,00	336	100	Hydraulic
CD018IDL	260,00	434	100	Hydraulic



Fixed-base dial indicator holder

Base with permanent magnet. Fully articulated rods.

Code 1	€	Locking	Arm length mm
CD029M30	90,00	Mechanic	150

Key Comparator Holder

Supplied with micrometric dial indicator adjustment screw. Suitable for heavy dial indicators. 8 mm dia. connection. Micrometric adjustment.

Code 1	€	Locking	Arm length mm
CD022M490	140,00	Mechanic	490
CD022M1000	215,00	Mechanic	1000 rods (500 x 500)



CD010160



CD010180



CD010194

KANETEC

Magnetic dial indicator holder

Prismatic base. Pure cobalt magnet. Chrome-plated rods. Ø 8 mm connection. Tensile force 80 kg.

Code 1	€	Fine adjustment	
CD010160	66,00	-	160
CD010180	81,00	✓	180
CD010194	139,00	-	194



Jointed dial indicator stand with granite top

Flatness and accuracy to DIN 876/00. Dovetail and Ø 8 mm. Fully articulated column. Centralised clamping. Micrometric adjustment.

Code 1	€	Locking	Base mm	Arm length mm
CD024ME	325,00	Mechanic	300 x 200	340



CD040B
without fine adjustment

CD040C
with fine adjustment thread column

CD040D
with fine adjustment thread column

Comparator stand with granite top

Flatness and accuracy to DIN 876/00. Shank Ø 8 mm. Hardened and ground steel column. Finely lapped top. Supplied without dial indicator.

Code 1	€	Colonna x Ø mm	Base mm	Arm length mm
CD040B	205,00	200 x 25	250 x 160	75
CD040C	385,00	300 x 30	300 x 200	180
CD040D	315,00	300 x 30	300 x 200	180



Column dial indicator holder

Hardened and ground steel. Verification table with fixed table. Horizontal arm 75 mm.

Code 1	€	Colonna x Ø mm	Base mm
CD02770	150,00	25	230 x ø 78



Column dial indicator holder

Hardened and ground steel. Knurled verification table with fixed table. Smooth column Ø 30 mm.

Code 1	€	Column Ø mm	Base mm
CD028125	240,00	30	125 x 125



Cleaner for lapped surfaces

Special cleaning liquid for lapped surfaces.

Code 1	€	L
HA1550,5L	25,00	0,5
HA1555L	80,00	5



Granite polishing oil

Product designed and formulated to protect, revitalise, preserve and polish diabase granite countertops.

Code 1	€	Packaging	Quantity ml
HA1600,5L	15,00	Can	500
HA1605L	80,00	Can	5000



Set of bore gauges

Un unico set per coprire un campo di misura da 15 a 210mm con la consueta affidabilità e una maggior economia di costi. Contiene: 1 alesametro da 15-35 mm, 1 alesametro da 30-100 mm, 1 alesametro da 50-210 mm, 1 prolunga, 1 comparatore a quadrante analogico lettura 0,01 mm serie "AA" e "WA", oppure digitale con uscita dati serie "AD" e "WD".

HARDENED STEEL CONTACTS

Code 1	€	Range mm	Readout mm
DA025SETAA	920,00	15 ÷ 210	0.01 mm - Analogue
DA025SETAD	1.020,00	15 ÷ 210	0.001 mm - Digital

CARBIDE CONTACTS

Code 1	€	Range mm	Readout mm
DA025SETWA	950,00	15 ÷ 210	0.01 mm - Analogue
DA025SETWD	990,00	15 ÷ 210	0.001 mm - Digital

Set of bore gauges

Contains: 1 x 30/100 mm bore gauge, 1 x 100/300 mm bore gauge, 1 analogue dial indicator reading 0.01 mm, 2 x 100 mm extensions (30-500).

HARDENED STEEL CONTACTS

Code 1	€	Range mm
DA027SET300A	795,00	30 - 300
DA027SET500A	855,00	30 - 500

CARBIDE CONTACTS

Code 1	€	Range mm
DA027SET300W	945,00	30 - 300
DA027SET500W	1.025,00	30 - 500



Reamer for small bores

Interchangeable heads. 2 opposing moving ball system. Stainless steel body. Supplied with dial gauge Ø 40 mm with 0.01 mm reading. Suitable for workshop and test measurements.

HARDENED STEEL CONTACTS

Code 1	€	Range mm	Accuracy µm	Max. depth mm	Readout mm
DA0150510A	590,00	5 ÷ 10	± 5	90	0,01
DA0150510W	820,00	5 ÷ 10	± 5	90	0,01

CARBIDE CONTACTS

Code 1	€	Range mm	Accuracy µm	Max. depth mm	Readout mm
DA0151020A	790,00	10 ÷ 20	± 5	100	0,01
DA0151020W	850,00	10 ÷ 20	± 5	100	0,01



Bore gauges for blind bores

Tungsten carbide moving probe. Interchangeable probe tips with hardened steel ball. Dial gauge connection Ø 8 mm. Light alloy rod with low expansion. Handle made of insulating material. Special head allows testing of holes at a distance of 2.5 mm from the bottom. Maximum precision and reliability for testing with millesimal tolerance (Japanese class A). Maximum precision and repeatability. Traditional system with moving probe and slide transmission. Dial gauge not supplied.

Code 1	€	Range mm	Maximum depth mm	No. of keys
DA0451835	340,00	15 ÷ 35	150	9
DA0453560	360,00	35 ÷ 60	150	6
DA04550150	400,00	50 ÷ 150	150	11

Bore gauge for dial indicator

Tungsten carbide moving rod. Interchangeable rod with hardened steel ball. Dial gauge connection Ø 8 mm. Light alloy rod with low expansion. Handle made of insulating material. Highest precision and repeatability for testing with millesimal tolerances (Japanese class A). Conventional system with moving rod and rod drive. Dial gauge not supplied.

Code 1	€	Range mm	Maximum depth mm	No. of keys
DA0421835	260,00	18 ÷ 35	103	9
DA0423560	280,00	35 ÷ 60	150	6
DA04250150	340,00	50 ÷ 150	150	11
DA042100160	590,00	100 ÷ 160	150	13
DA042160250	690,00	160 ÷ 250	250	6
DA042250400	890,00	250 ÷ 400	250	5



FA181BA



FA181RD

Block compactor

Hardened stainless steel block holder compactor. Suitable for zero-setting different types of measuring instruments. Horizontal or vertical use with support base.

Code 1	€	Internal mm
FA180300	675,00	150
FA180400	810,00	250
FA180600	980,00	450
FA180900	1.500,00	750

Compactor accessories

Accessories for code FA180: Base (FA181BA). Required for vertical use of the compactor, and bore gauge adapter (FA181RD).

Code 1	€	Description	kg
FA181BA	565,00	Optional base	1,80
FA181RD	580,00	Support for bore gauges	0,15



HS4

Manual zeroing bench

Resolution 0.0001 mm. Repeatability 0.5 μm . Maximum permissible error $0.7 + L(\text{mm})/1000 \mu\text{m}$. Fixed measuring force 15N one-way. Dual origin for internal/external zeroing. USB and RS232 data transmission interface (Bluetooth optional). Operating temperature $10 \pm 40 \text{ }^\circ\text{C}$. Ideal for zeroing all bench-top instruments directly in the workshop. Rigid alloy support structure with steel guides and scales. Wide range of interchangeable accessories guarantees the zeroing of all variable instruments. New carriage mechanics for increased accuracy and repeatability. Manual movement with locking lever and micrometric adjustment. Large, interchangeable carbide measuring surfaces with contacts presetting function. Easy and intuitive E1 display with high-contrast, environmentally resistant characters.

Code 3	€	Range mm
LA008HS4500	26.500,00	500
LA008HS41000	on request	1000



HS3

Motorised zeroing bench

Resolution 0.0001 mm. Repeatability 0.5 μm . Maximum permissible error $0,7 + L(\text{mm})/1000 \mu\text{m}$. Dual origin for internal/external zeroing. USB and RS232 data transmission interface (Bluetooth optional). Operating temperature $10 \pm 40 \text{ }^\circ\text{C}$. Ideal for zeroing all bench-top instruments directly on the shop floor. Stable cast-iron support structure suitable for non-air-conditioned production departments. Wide range of interchangeable accessories ensures maximum compatibility with all bore gauges on the market. Quick motorised movement with basic and advanced functions depending on operating requirements. Large interchangeable carbide measuring surfaces with touch-zero function. Easy and intuitive E1 display with high-contrast characters and resistant to the production environment. Instant switch-on and homing without having to remove accessories.

Code 3	€	Indoor range mm	Outdoor range mm
LA035HS3400	12.900,00	1 \div 410	50 \div 460



Ceramic flat-parallel striker blocks

Excellent abrasion resistance, with up to 10 times less wear than hardened steel. Excellent corrosion resistance. Low thermal conductivity. Very high dimensional stability. Hand-lapped measuring surfaces. Each block is identified by a serial number. Dimensional tolerances in accordance with DIN 861, ISO 3650 and BS 4311. Thanks to a unique molecular transformation process, ceramic zircon offers a mechanical resistance that preserves its integrity in the event of an accidental drop. Available in a fine wood box or as a single piece, always accompanied by a UKAS Class C calibration certificate on 5 points.

Code 1	€	Grade	Pcs per size	Dimensions mm	Progression mm
FA100470	3.440,00	0	1	1,005	-
			9	1,01 ~ 1,09	0,01
			9	1,1 ~ 1,9	0,1
			24	1 ~ 24	1
			4	25 ~ 100	25
FA100471	2.975,00	1	1	1,005	-
			9	1,01 ~ 1,09	0,01
			9	1,1 ~ 1,9	0,1
			24	1 ~ 24	1
			4	25 ~ 100	25



Set of Large Steel Striker Blocks

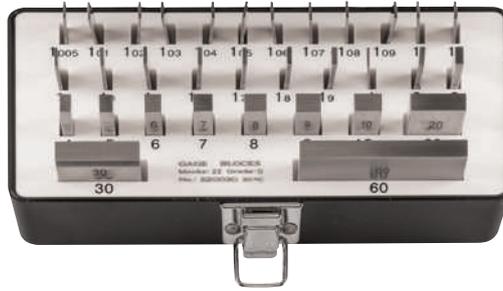
Accuracy class ISO 3650/0. All blocks have two mating holes at the ends for clamping with a clamp. Hardness: 63 HRC. Cross-section: 35 x 9 mm. Supplied in wooden box with manufacturer's test certificate.

Code 1	€	Pieces	Dimensions mm	Grade
FA0508	1.190,00	8	125 - 150 - 175 - 200 - 250 - 300 - 400 - 500	1

BLOCKS OVER 100 mm LONG - CALIBRATION CERTIFICATE



DESCRIZIONE	€
Set of 8 blocks from 125 to 600 mm	800,00



Set of Steel Striker Blocks

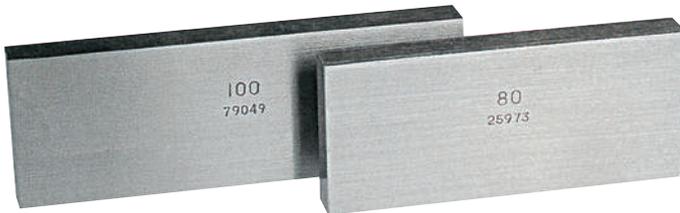
Conforms to ISO 3650 DIN 861.

Code 1	€	Classes	Pieces	Set pcs.	Dimensions mm	Progression mm
FA0101030	985,00	0		1	1,005	-
FA0101031	640,00	1	103	49	1,01 ~ 1,49	0,01
FA0101032	365,00	2		4	0,5 ~ 24,5	0,5
FA010870	755,00	0		9	25 ~ 100	25
FA010871	510,00	1	87	49	1,001~1,009	0,001
FA010872	290,00	2		19	1,01 ~ 1,49	0,01
				10	0,5 ~ 9,5	0,5
				10	10 ~ 100	10

Code 1	€	Classes	Pieces	Set pcs.	Dimensions mm	Progression mm
FA010470	575,00	0		1	1,005	-
FA010471	340,00	1	47	9	1,01 ~ 1,09	0,01
FA010472	210,00	2		24	1,1 ~ 1,9	0,1
FA010320	420,00	0		4	1 ~ 24	1
FA010321	260,00	1	32	9	25 ~ 100	25
FA010322	160,00	2		1	1,005	-
				9	1,01 ~ 1,09	0,01
				9	1,1 ~ 1,9	0,1
				9	1 ~ 9	1
				3	10 ~ 30	10
				1	60	-

Code 1	€	Grade	Pieces	ACCREDIA ENTE ITALIANO M&ACCREDITAMENTO
FA0101030-A	1.700,00	0	103	verification on 5 point (certified price included)
FA0101031-A	1.370,00	1		
FA010870-A	1.400,00	0	87	
FA010871-A	1.150,00	1		

Code 1	€	Grade	Pieces	ACCREDIA ENTE ITALIANO M&ACCREDITAMENTO
FA010470-A	930,00	0	47	verification on 5 point (certified price included)
FA010471-A	700,00	1		
FA010320-A	670,00	0	32	
FA010321-A	521,00	1		



BLOCKS OVER 100 mm LONG - CALIBRATION CERTIFICATE



DESCRIPTION	€
Single block from 100 to 300 mm	125,00
Single block from 300 to 600 mm	145,00
Single block from 600 to 1000 mm	320,00

GRADE 1 single steel striker block

Conforms to ISO 3650/1 DIN 861. Cross-section: 30x9 mm up to 10.0 mm. Cross-section: 35x9 mm from 10.5 mm.

Code 1	€	Range mm
FA0051250	130,00	125,0
FA0051500	165,00	150,0
FA0051750	195,00	175,0
FA0052000	230,00	200,0
FA0052500	285,00	250,0
FA0053000	355,00	300,0
FA0054000	430,00	400,0

Code 1	€	Range mm
FA0055000	535,00	500,0
FA0056000	655,00	600,0
FA0057000	745,00	700,0
FA0058000	835,00	800,0
FA0059000	930,00	900,0
FA00510000	1.020,00	1000,0



Set of calibrated pins

Tolerance: ± 0.002 mm. Hardness 61 64 Rockwell C. Can be supplied individually on request.

Code 1	€	Pieces	Range mm	Progression mm
FA185011	245,00	51	0,50 ÷ 1,00	0,01
FA185012	310,00	101	1,00 ÷ 2,00	0,01
FA185013	310,00	101	2,00 ÷ 3,00	0,01
FA185014	310,00	101	3,00 ÷ 4,00	0,01
FA185015	320,00	101	4,00 ÷ 5,00	0,01
FA185016	320,00	101	5,00 ÷ 6,00	0,01
FA185017	330,00	101	6,00 ÷ 7,00	0,01
FA185018	330,00	101	7,00 ÷ 8,00	0,01
FA185019	340,00	101	8,00 ÷ 9,00	0,01
FA1850110	340,00	101	9,00 ÷ 10,00	0,01
FA1850111	420,00	101	10 ÷ 11	0,01
FA1850112	420,00	101	11 ÷ 12	0,01
FA1850113	420,00	101	12 ÷ 13	0,01
FA1850114	490,00	101	13 ÷ 14	0,01
FA1850115	490,00	101	14 ÷ 15	0,01
FA1850116	535,00	101	15 ÷ 16	0,01
FA1850117	535,00	101	16 ÷ 17	0,01
FA1850118	610,00	101	17 ÷ 18	0,01
FA1850119	610,00	101	18 ÷ 19	0,01
FA1850120	640,00	101	19 ÷ 20	0,01

Set of calibrated pins

Tolerance: ± 0.002 mm. Hardness 61 64 Rockwell C. Can be supplied individually on request..

Code 1	€	Pieces	Range mm	Progression mm
FA186110	310,00	91	1,00 ÷ 10,00	0,10
FA186120	565,00	101	10,00 ÷ 20,00	0,10



CALIBRATED PINS - CALIBRATION CERTIFICATE

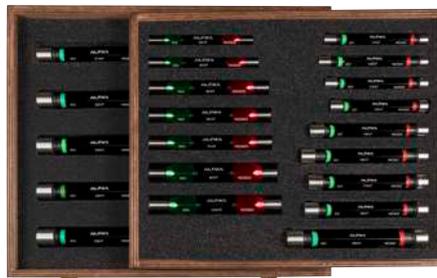


DESCRIPTION	€
From 1 to 5 pz.	25,00
From 6 to 19 pz.	9,00
From 20 to 50 pz.	6,00
More than i 50 pz.	5,00

Set of calibrated pins

Tolerance: ± 0.002 mm. Roughness: less than $0.025 \mu\text{m Ra}$. Roundness: less than 0.0005 mm. Taper: less than 0.001 mm. Hardness 61 64 Rockwell C. Can be supplied individually on request.

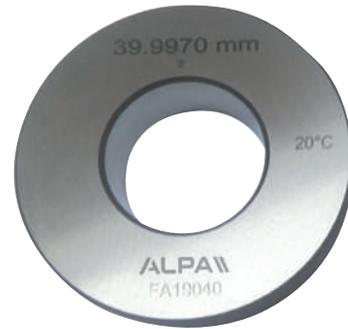
Code 1	€	Pieces	Range mm	Progression mm
FA191055	340,00	81	1,00 ÷ 5,00	0,05
FA1910510	370,00	101	5,00 ÷ 10,00	0,05



Smooth P/NP pads in sets

Hardened steel. H7 tolerance. Supplied in wooden case.

Code 1	€	Set composition Ø mm	Pieces
FA188C	780,00	3-4-5-6-7-8-10-11-12-13-14-15-16-17-18-20 21-22-23-24-25-26-27-28-29-30	26
FA188D	760,00	32-34-35-36-38-40-42-44-46-48-50-52-55-58-60	15



Smooth pad P/NP

Hardened steel. H7 tolerance. Up to Ø65 1 plug gauge, over 2 plug gauges (P or NP).

Code 1	€ GR1	Ø mm	Code 1	€ GR1	Ø mm
FA1873	28,00	3	FA18736	35,00	36
FA1874	28,00	4	FA18737	35,00	37
FA1875	28,00	5	FA18738	35,00	38
FA1876	28,00	6	FA18740	45,00	40
FA1877	28,00	7	FA18742	45,00	42
FA1878	28,00	8	FA18744	45,00	44
FA1879	28,00	9	FA18745	45,00	45
FA18710	28,00	10	FA18746	45,00	46
FA18711	28,00	11	FA18747	55,00	47
FA18712	28,00	12	FA18748	55,00	48
FA18713	28,00	13	FA18750	55,00	50
FA18714	28,00	14	FA18752	60,00	52
FA18715	28,00	15	FA18755	60,00	55
FA18716	30,00	16	FA18756	70,00	56
FA18717	30,00	17	FA18758	70,00	58
FA18718	30,00	18	FA18760	70,00	60
FA18719	30,00	19	FA18762	70,00	62
FA18720	30,00	20	FA18765	70,00	65
FA18721	30,00	21	FA18768	75,00	68
FA18722	30,00	22	FA18770	75,00	70
FA18723	30,00	23	FA18772	75,00	72
FA18724	30,00	24	FA18775	75,00	75
FA18725	32,00	25	FA18778	80,00	78
FA18726	32,00	26	FA18780	85,00	80
FA18727	32,00	27	FA18782	90,00	82
FA18728	32,00	28	FA18785	95,00	85
FA18729	32,00	29	FA18788	100,00	88
FA18730	32,00	30	FA18790	100,00	90
FA18732	35,00	32	FA18792	105,00	92
FA18733	35,00	33	FA18795	105,00	95
FA18734	35,00	34	FA18798	105,00	98
FA18735	35,00	35	FA187100	110,00	100

GO OR NO GO PLUG GAUGE - CALIBRATION REPORT

DESCRIPTION	€
Up to 50 mm	8,00
More than 50 up to 100 mm	13,00
More than 100 up to 200 mm	20,00
More than 200 up to 300 mm	27,00

GO OR NO GO PLUG GAUGE - CALIBRATION CERTIFICATE



DESCRIPTION	€
Up to 50 mm	45,00
More than 50 up to 100 mm	50,00
More than 100 up to 200 mm	55,00
More than 200 up to 300 mm	85,00

GO/NO GO PLUG GAUGE - CALIBRATION REPORT

DESCRIPTION	€
Up to 50 mm	10,00
More than 50 up to 100 mm	19,00
More than 100 up to 200 mm	29,00
More than 200 up to 300 mm	35,00

GO/NO GO PLUG GAUGE - CALIBRATION CERTIFICATE



DESCRIPTION	€
Up to 50 mm	55,00
More than 50 up to 100 mm	65,00
More than 100 up to 200 mm	90,00
More than 200 up to 300 mm	105,00

Setting ring

Conforms to DIN 2250.

Code 1	€ GR1	Ø mm	Code 1	€ GR1	Ø mm
FA1904	55,00	4	FA19028	55,00	28
FA1905	50,00	5	FA19029	55,00	29
FA1906	50,00	6	FA19030	55,00	30
FA1907	50,00	7	FA19050	75,00	50
FA1908	50,00	8	FA19080	110,00	80
FA1909	50,00	9	FA19055	78,00	55
FA19010	50,00	10	FA19035	58,00	35
FA19011	50,00	11	FA19060	90,00	60
FA19012	50,00	12	FA19075	105,00	75
FA19013	50,00	13	FA19040	65,00	40
FA19014	50,00	14	FA19085	140,00	85
FA19015	50,00	15	FA19070	100,00	70
FA19016	52,00	16	FA19045	68,00	45
FA19017	52,00	17	FA19090	145,00	90
FA19018	52,00	18	FA19065	95,00	65
FA19019	52,00	19	FA19095	150,00	95
FA19020	52,00	20	FA190100	185,00	100
FA19021	52,00	21	FA190125	240,00	125
FA19022	52,00	22	FA190150	290,00	150
FA19023	52,00	23	FA190175	480,00	175
FA19024	52,00	24	FA190200	590,00	200
FA19025	52,00	25	FA190225	690,00	225
FA19026	55,00	26	FA190250	790,00	250
FA19027	55,00	27	FA190275	890,00	275

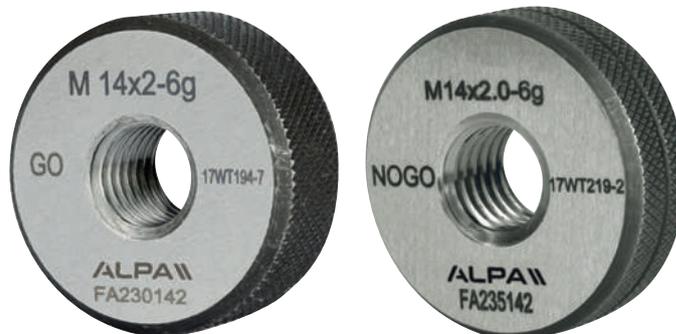
SETTING RING - CALIBRATION REPORT

DESCRIPTION	€
From 0,5 up to 1,99 mm	90,00
From 2 up to 4,99 mm	50,00
From 5 up to 50 mm	16,00
More than 50 up to 100 mm	26,00
More than 100 up to 200 mm	35,00
More than 200 up to 300 mm	46,00

SETTING RING - CALIBRATION REPORT



DESCRIPTION	€
From 0,5 up to 1,99 mm	130,00
From 2 up to 4,99 mm	80,00
From 5 up to 50 mm	50,00
More than 50 up to 100 mm	55,00
More than 100 up to 200 mm	70,00
More than 200 up to 300 mm	100,00



P/NP metric coarse threaded pad (M)

Hardened steel. Tolerance 6H.

Code 1	€	Ø and pitch	Tolerance
FA225204	50,00	2 x 0,4	6H
FA22522045	50,00	2,2 x 0,45	6H
FA22525045	50,00	2,5 x 0,45	6H
FA225305	35,00	3 x 0,5	6H
FA225407	35,00	4 x 0,7	6H
FA225508	35,00	5 x 0,8	6H
FA22561	35,00	6 x 1	6H
FA22571	35,00	7 x 1	6H
FA2258125	35,00	8 x 1,25	6H
FA2259125	35,00	9 x 1,25	6H
FA2251015	35,00	10 x 1,5	6H
FA2251115	35,00	11 x 1,5	6H
FA22512175	35,00	12 x 1,75	6H
FA225142	45,00	14 x 2	6H
FA225162	45,00	16 x 2	6H
FA2251825	55,00	18 x 2,5	6H
FA2252025	65,00	20 x 2,5	6H
FA2252225	55,00	22 x 2,5	6H
FA225243	65,00	24 x 3	6H
FA225273	80,00	27 x 3	6H
FA2253035	100,00	30 x 3,5	6H
FA2253335	100,00	33 x 3,5	6H
FA225364	100,00	36 x 4	6H
FA225394	100,00	39 x 4	6H
FA2254245	120,00	42 x 4,5	6H
FA2254545	120,00	45 x 4,5	6H
FA225485	120,00	48 x 5	6H

GO/NO GO THREAD PLUGS - CALIBRATION REPORT

DESCRIPTION	€
Up to 50 mm	25,00
From 50 to 100 mm	35,00
More than 100 up to 200 mm	50,00

GO/NO GO THREAD PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	€
Up to 50 mm	65,00
From 50 to 100 mm	70,00
More than 100 up to 200 mm	90,00

Threaded ring P metric coarse thread (M)

Hardened steel. Tolerance 6g.

GO NO GO

Code 1	€	Code 1	€	Ø and pitch	Tolerance
FA230204	65,00	FA235204	65,00	2 x 0,4	6g
FA23025045	65,00	FA23525045	65,00	2,5 x 0,45	6g
FA230305	40,00	FA235305	40,00	3 x 0,5	6g
FA230407	35,00	FA235407	35,00	4 x 0,7	6g
FA230508	40,00	FA235508	40,00	5 x 0,8	6g
FA23061	40,00	FA23561	40,00	6 x 1	6g
FA2308125	40,00	FA2358125	40,00	8 x 1,25	6g
FA2309125	45,00	FA2359125	45,00	9 x 1,25	6g
FA2301015	45,00	FA2351015	45,00	10 x 1,5	6g
FA23012175	45,00	FA23512175	45,00	12 x 1,75	6g
FA230142	50,00	FA235142	50,00	14 x 2	6g
FA230162	60,00	FA235162	60,00	16 x 2	6g
FA2301825	65,00	FA2351825	65,00	18 x 2,5	6g
FA2302025	80,00	FA2352025	80,00	20 x 2,5	6g
FA2302225	80,00	FA2352225	80,00	22 x 2,5	6g
FA230243	90,00	FA235243	90,00	24 x 3	6g
FA230273	100,00	FA235273	100,00	27 x 3	6g
FA2303035	110,00	FA2353035	110,00	30 x 3,5	6g
FA2303335	120,00	FA2353335	120,00	33 x 3,5	6g
FA230364	120,00	FA235364	120,00	36 x 4	6g
FA230394	120,00	FA235394	120,00	39 x 4	6g
FA2304245	155,00	FA2354245	155,00	42 x 4,5	6g
FA2304545	165,00	FA2354545	165,00	45 x 4,5	6g
FA230485	165,00	FA235485	165,00	48 x 5	6g

GO/NO GO THREADED RINGS - CALIBRATION REPORT

DESCRIPTION	€
Less than 2 mm	48,00
From 2 up to 5 mm	25,00
More than 5 up to 50 mm	25,00
More than 50 up to 100 mm	32,00
More than 100 up to 200 mm	60,00

GO/NO GO THREADED RINGS CALIBRATION CERTIFICATE



DESCRIPTION	€
From 2 up to 5 mm	105,00
More than 5 up to 50 mm	65,00
More than 50 up to 100 mm	70,00
More than 100 up to 200 mm	100,00



Metric fine pitch threaded gauge (MF)

Hardened steel. Buffer passes no passes. Tolerance 6H.

Code 1	€	Ø and pitch	Code 1	€	Ø and pitch	Code 1	€	Ø and pitch	Code 1	€	Ø and pitch
FA210405	50,00	4 x 0,5	FA2101415	45,00	14 x 1,5	FA210252	55,00	25 x 2	FA2103815	65,00	38 x 1,5
FA210505	65,00	5 x 0,5	FA210151	45,00	15 x 1	FA2102615	55,00	26 x 1,5	FA210382	65,00	38 x 2
FA210605	65,00	6 x 0,5	FA2101515	55,00	15 x 1,5	FA210262	55,00	26 x 2	FA210383	80,00	38 x 3
FA2106075	65,00	6 x 0,75	FA21016075	55,00	16 x 0,75	FA210271	60,00	27 x 1	FA2103915	80,00	39 x 1,5
FA2107075	55,00	7 x 0,75	FA210161	50,00	16 x 1	FA2102715	60,00	27 x 1,5	FA210392	80,00	39 x 2
FA210805	55,00	8 x 0,5	FA2101615	50,00	16 x 1,5	FA2102815	60,00	28 x 1,5	FA2104015	80,00	40 x 1,5
FA2108075	55,00	8 x 0,75	FA21018075	75,00	18 x 0,75	FA210282	55,00	28 x 2	FA210402	80,00	40 x 2
FA21081	40,00	8 x 1	FA210181	55,00	18 x 1	FA210301	75,00	30 x 1	FA210403	85,00	40 x 3
FA21091	40,00	9 x 1	FA2101815	55,00	18 x 1,5	FA2103015	70,00	30 x 1,5	FA2104215	80,00	42 x 1,5
FA21010075	50,00	10 x 0,75	FA210182	55,00	18 x 2	FA210302	70,00	30 x 2	FA210422	80,00	42 x 2
FA210101	40,00	10 x 1	FA21020075	75,00	20 x 0,75	FA210322	70,00	32 x 2	FA210423	85,00	42 x 3
FA21010125	40,00	10 x 1,25	FA210201	55,00	20 x 1	FA210331	85,00	33 x 1	FA2104415	85,00	44 x 1,5
FA210111	40,00	11 x 1	FA2102015	55,00	20 x 1,5	FA2103315	65,00	33 x 1,5	FA210442	85,00	44 x 2
FA21012075	50,00	12 x 0,75	FA210202	55,00	20 x 2	FA210332	65,00	33 x 2	FA2104515	80,00	45 x 1,5
FA210121	40,00	12 x 1	FA21022075	75,00	22 x 0,75	FA2103415	85,00	34 x 1,5	FA210452	80,00	45 x 2
FA21012125	40,00	12 x 1,25	FA210221	55,00	22 x 1	FA210342	80,00	34 x 2	FA210453	85,00	45 x 3
FA2101215	40,00	12 x 1,5	FA2102215	55,00	22 x 1,5	FA210343	75,00	34 x 3	FA2104815	165,00	48 x 1,5
FA210131	45,00	13 x 1	FA210241	55,00	24 x 1	FA2103515	65,00	35 x 1,5	FA210482	130,00	48 x 2
FA2101315	45,00	13 x 1,5	FA2102415	55,00	24 x 1,5	FA210352	65,00	35 x 2	FA210483	130,00	48 x 3
FA21014075	55,00	14 x 0,75	FA210242	55,00	24 x 2	FA2103615	85,00	36 x 1,5	FA2105015	130,00	50 x 1,5
FA210141	45,00	14 x 1	FA210251	55,00	25 x 1	FA210362	65,00	36 x 2	FA210502	145,00	50 x 2
FA21014125	40,00	14 x 1,25	FA2102515	55,00	25 x 1,5	FA210363	85,00	36 x 3	FA210503	110,00	50 x 3

GO/NO GO THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	€
Up to 50 mm	25,00
From 50 up to 100 mm	35,00
More than 100 up to 200 mm	50,00

GO/NO GO THREADED PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	€
Up to 50 mm	65,00
From 50 up to 100 mm	70,00
More than 100 up to 200 mm	90,00



Depth gauge for metric threads

Depth gauges metric coarse pitch steel threads.

Code 1	€	M
FA300M3	450,00	M3
FA300M4	450,00	M4
FA300M5	450,00	M5
FA300M6	450,00	M6
FA300M7	450,00	M7
FA300M8	450,00	M8



Threaded ring P metric fine pitch (MF)

Made of hardened steel.

GO **NO GO** **GO** **NO GO**

Code 1	€ GR1	Code 1	€ GR1	Ø and pitch	Tolerance
FA215405	70,00	FA220405	70,00	4 x 0,5	6g
FA215505	70,00	FA220505	70,00	5 x 0,5	6g
FA215605	70,00	FA220605	70,00	6 x 0,5	6g
FA2156075	70,00	FA2206075	70,00	6 x 0,75	6g
FA2157075	70,00	FA2207075	70,00	7 x 0,75	6g
FA215805	70,00	FA220805	70,00	8 x 0,5	6g
FA2158075	65,00	FA2208075	65,00	8 x 0,75	6g
FA21581	65,00	FA22081	65,00	8 x 1	6g
FA21591	65,00	FA22091	65,00	9 x 1	6g
FA2151005	65,00	FA2201005	65,00	10 x 0,5	6g
FA21510075	75,00	FA22010075	75,00	10 x 0,75	6g
FA215101	45,00	FA220101	45,00	10 x 1	6g
FA21510125	45,00	FA22010125	45,00	10 x 1,25	6g
FA215111	50,00	FA220111	50,00	11 x 1	6g
FA21512075	55,00	FA22012075	55,00	12 x 0,75	6g
FA215121	45,00	FA220121	45,00	12 x 1	6g
FA21512125	45,00	FA22012125	45,00	12 x 1,25	6g
FA2151215	45,00	FA2201215	45,00	12 x 1,5	6g
FA215131	50,00	FA220131	50,00	13 x 1	6g
FA2151315	50,00	FA2201315	50,00	13 x 1,5	6g
FA21514075	95,00	FA22014075	95,00	14 x 0,75	6g
FA215141	45,00	FA220141	45,00	14 x 1	6g
FA21514125	45,00	FA22014125	45,00	14 x 1,25	6g
FA2151415	45,00	FA2201415	45,00	14 x 1,5	6g
FA215151	80,00	FA220151	80,00	15 x 1	6g
FA2151515	80,00	FA2201515	80,00	15 x 1,5	6g
FA21516075	95,00	FA22016075	95,00	16 x 0,75	6g
FA215161	45,00	FA220161	45,00	16 x 1	6g
FA2151615	45,00	FA2201615	45,00	16 x 1,5	6g
FA21518075	95,00	FA22018075	95,00	18 x 0,75	6g
FA215181	55,00	FA220181	55,00	18 x 1	6g
FA2151815	55,00	FA2201815	55,00	18 x 1,5	6g
FA215182	80,00	FA220182	80,00	18 x 2	6g
FA21520075	105,00	FA22020075	105,00	20 x 0,75	6g
FA215201	60,00	FA220201	60,00	20 x 1	6g
FA2152015	60,00	FA2202015	60,00	20 x 1,5	6g
FA215202	85,00	FA220202	85,00	20 x 2	6g
FA21522075	105,00	FA22022075	105,00	22 x 0,75	6g
FA215221	70,00	FA220221	70,00	22 x 1	6g
FA2152215	70,00	FA2202215	70,00	22 x 1,5	6g
FA215241	65,00	FA220241	65,00	24 x 1	6g
FA2152415	70,00	FA2202415	70,00	24 x 1,5	6g
FA215242	85,00	FA220242	85,00	24 x 2	6g
FA215251	85,00	FA220251	85,00	25 x 1	6g
FA2152515	85,00	FA2202515	85,00	25 x 1,5	6g
FA215252	85,00	FA220252	85,00	25 x 2	6g

Code 1	€ GR1	Code 1	€ GR1	Ø and pitch	Tolerance
FA2152615	60,00	FA2202615	60,00	26 x 1,5	6g
FA215262	60,00	FA220262	60,00	26 x 2	6g
FA215271	75,00	FA220271	75,00	27 x 1	6g
FA2152715	75,00	FA2202715	75,00	27 x 1,5	6g
FA2152815	75,00	FA2202815	75,00	28 x 1,5	6g
FA215282	80,00	FA220282	80,00	28 x 2	6g
FA215301	115,00	FA220301	115,00	30 x 1	6g
FA2153015	100,00	FA2203015	100,00	30 x 1,5	6g
FA215302	100,00	FA220302	100,00	30 x 2	6g
FA215321	110,00	FA220321	110,00	32 x 1	6g
FA2153215	100,00	FA2203215	100,00	32 x 1,5	6g
FA215322	100,00	FA220322	100,00	32 x 2	6g
FA215331	110,00	FA220331	110,00	33 x 1	6g
FA2153315	100,00	FA2203315	100,00	33 x 1,5	6g
FA215332	100,00	FA220332	100,00	33 x 2	6g
FA2153415	110,00	FA2203415	100,00	34 x 1,5	6g
FA215342	110,00	FA220342	110,00	34 x 2	6g
FA215343	130,00	FA220343	130,00	34 x 3	6g
FA2153515	100,00	FA2203515	100,00	35 x 1,5	6g
FA215352	100,00	FA220352	100,00	35 x 2	6g
FA2153615	100,00	FA2203615	100,00	36 x 1,5	6g
FA215362	100,00	FA220362	100,00	36 x 2	6g
FA215363	110,00	FA220363	110,00	36 x 3	6g
FA2153815	110,00	FA2203815	110,00	38 x 1,5	6g
FA215382	110,00	FA220382	110,00	38 x 2	6g
FA215383	135,00	FA220383	135,00	38 x 3	6g
FA2153915	135,00	FA2203915	135,00	39 x 1,5	6g
FA215392	110,00	FA220392	110,00	39 x 2	6g
FA2154015	110,00	FA2204015	110,00	40 x 1,5	6g
FA215402	110,00	FA220402	110,00	40 x 2	6g
FA215403	130,00	FA220403	130,00	40 x 3	6g
FA2154215	135,00	FA2204215	135,00	42 x 1,5	6g
FA215422	135,00	FA220422	135,00	42 x 2	6g
FA215423	135,00	FA220423	135,00	42 x 3	6g
FA2154415	150,00	FA2204415	150,00	44 x 1,5	6g
FA215442	150,00	FA220442	150,00	44 x 2	6g
FA2154515	135,00	FA2204515	135,00	45 x 1,5	6g
FA215452	135,00	FA220452	135,00	45 x 2	6g
FA215453	135,00	FA220453	135,00	45 x 3	6g
FA2154815	135,00	FA2204815	135,00	48 x 1,5	6g
FA215482	115,00	FA220482	115,00	48 x 2	6g
FA215483	135,00	FA220483	135,00	48 x 3	6g
FA2155015	115,00	FA2205015	115,00	50 x 1,5	6g
FA215502	115,00	FA220502	115,00	50 x 2	6g
FA215503	135,00	FA220503	135,00	50 x 3	6g

GO/NO GO THREADED RINGS - CALIBRATION REPORT

DESCRIPTION	€
Less than 2 mm	48,00
From 2 up to 5 mm	25,00
More than 5 up to 50 mm	25,00
More than 50 up to 100 mm	32,00
More than 100 up to 200 mm	60,00

GO/NO GO THREADED RINGS CALIBRATION CERTIFICATE

DESCRIPTION	€
From 2 up to 5 mm	105,00
More than 5 up to 50 mm	65,00
More than 50 up to 100 mm	70,00
More than 100 up to 200 mm	100,00





P/NP GAS ISO 228 threaded pad

Cylindrical thread.

Code 1	€	Ø and pitch
FA27018	80,00	1/8" - 28
FA27014	80,00	1/4" - 19
FA27012	85,00	1/2" - 14
FA27058	85,00	5/8" - 14
FA27034	95,00	3/4" - 14
FA27078	100,00	7/8" - 14
FA2701	120,00	1" - 11
FA270118	155,00	1" 1/8 - 11
FA270114	170,00	1" 1/4 - 11
FA270138	185,00	1" 3/8 - 11
FA270112	195,00	1" 1/2 - 11
FA270134	195,00	1" 3/4 - 11
FA2702	210,00	2" - 11

Threaded ring P GAS ISO 228

Cylindrical thread.

Code 1	€	Code 1	€	Ø and pitch
FA27518	95,00	FA28018	95,00	1/8" - 28
FA27514	90,00	FA28014	85,00	1/4" - 19
FA27538	90,00	FA28038	90,00	3/8" - 19
FA27512	100,00	FA28012	100,00	1/2" - 14
FA27558	100,00	FA28058	100,00	5/8" - 14
FA27534	105,00	FA28034	105,00	3/4" - 14
FA27578	105,00	FA28078	105,00	7/8" - 14
FA2751	140,00	FA2801	140,00	1" - 11
FA275118	140,00	FA280118	140,00	1" 1/8 - 11
FA275114	155,00	FA280114	155,00	1" 1/4 - 11
FA275138	160,00	FA280138	155,00	1" 3/8 - 11
FA275112	160,00	FA280112	155,00	1" 1/2 - 11
FA275134	160,00	FA280134	155,00	1" 3/4 - 11
FA2752	190,00	FA2802	190,00	2" - 11



NPT threaded pad

Conical thread.

Code 1	€	Ø and pitch
FA28518	195,00	1/8" - 27
FA28514	195,00	1/4" - 18
FA28538	215,00	3/8" - 18
FA28512	216,00	1/2" - 14
FA28534	235,00	3/4" - 14
FA2851	258,00	1" - 11,5

NPT threaded ring

Conical thread.

Code 1	€	Ø and pitch
FA28618A	330,00	1/8" - 27
FA28614A	325,00	1/4" - 18
FA28638A	333,00	3/8" - 18
FA28612A	338,00	1/2" - 14
FA28634A	363,00	3/4" - 14
FA2861A	395,00	1" - 11,5

CONICAL THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	€
From 1/16" to 1"	35,00

CONICAL THREADED PLUGS CALIBRATION REPORT

DESCRIPTION	€
From 1/16" to 1"	215,00



CONICAL THREADED RINGS - CALIBRATION REPORT

DESCRIPTION	€
From 1/8" to 1"	40,00

CONICAL THREADED RINGS CALIBRATION CERTIFICATE

DESCRIPTION	€
From 1/8" to 1"	225,00



NEW

WYLER



CLINOTRONIC S

Digital Precision Levels with Bluetooth

Accuracy 0.055% (> 15"). Wireless functionality for Android™ devices. High-visibility, low-power, backlit display. User-friendly with completely redesigned, highly intuitive graphical user interface. Adjusted to local gravity for highest possible accuracy. Increased accuracy: 0.04% of measured value minimum 5" (arc seconds). Extreme versatility, allows measurement of both parallelism and perpendicularity, e.g. vertical rails or presses.

Code 3	€	Range	Resolution	Version
EA0550055MAG	2.830,00	± 45°	5"	4-sided magnets
EA0550055M3	2.790,00	± 45°	5"	M3 holes on 4 sides
EA0550055ST	2.615,00	± 45°	5"	Standard

SK Mitaka Seiki



High-sensitivity spirit level

Linear spirit level 150 mm. Finely ground flat contact surfaces with central discharge. Hardened steel construction. High precision and easy to read (pendulum model). Rest time of only 1-2 seconds. Battery operation or 220V power supply unit (included). Three selectable sensitivities: 0.1 mm/m 0.05 mm/m 0.01 mm/m. Ideal for frequent users such as machine builders, installers and repairers.

Code 1	€	Range mm/m	Accuracy mm/m	Resolution 17 - 23°C
EB085A	4.690,00	I : ± 0,2	± 0,5 %	I : 0,01
		II : ± 1		II : 0,05
		III : ± 2		III : 0,1

NEW



Square digital mini-level with magnetic base

Hand-held angle testing instrument. Zeroing in any position. Supplied with case.

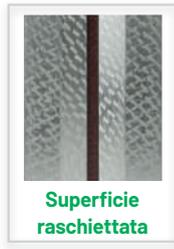
Code 1	€	Range	Dimensions mm	Resolution	Accuracy	Repeatability
EA070180	65,00	± 180°	50 x 50 x 32	0,1°	± 0,20°	± 10°



Digital inclinometer

360° goniometer (4 x 90°) and inclinometer. On/off button. Reset to any position. 3V transistor-type battery power supply included.

Code 1	€	Resolution	Dimensions mm
EA02101	95,00	0,1°	150 x 30 x 50



Superficie raschiata

NEW

WYLER



48 Spirit

Square spirit level sensitivity 0.02 mm/m

Four right-angled support surfaces, two of which are flat and two with V-grooves for checking flat and cylindrical, horizontal and vertical surfaces. Handle for thermal insulation and vial protection.

Code 1	€	Length mm	Sensitivity mm/m	Description
EB040150	390,00	150	0,02	Scraped
EB040200	490,00	200	0,02	Scraped
EB045150	213,00	150	0,02	Rectified
EB045200	245,00	200	0,02	Rectified

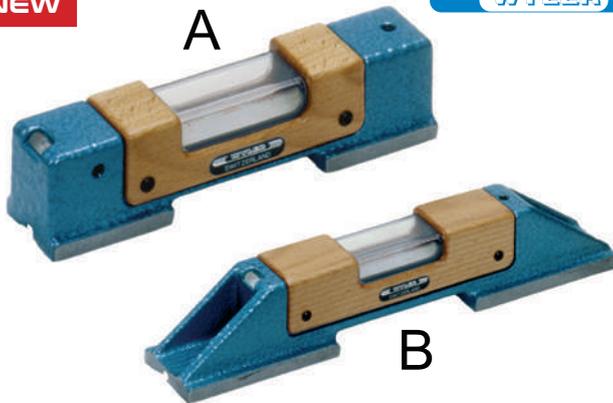
Bubble levels

High-precision spirit levels. Prismatic angular base; with magnets on vertical side. For measuring flat or cylindrical surfaces in horizontal and vertical positions, with perfect magnetic adherence to vertical surfaces. Spirit levels have an insulating handle and are supplied in wooden cases. Prismatic base, magnets on vertical side.

Code 3	€	Resolution mm/m	Dimensions mm
EB070002150	2.660,00	0,02	150 x 150

NEW

WYLER



Superficie raschiata



55 Spirit

Scraped spirit levels sensitivity 0.02 mm/m

High-precision spirit levels. Scraped prismatic base; without magnets. For measurements on flat and cylindrical surfaces in a horizontal position. Spirit levels have an insulating handle, external bubble protection and are supplied in wooden cases. Horizontal base.

Code 3	€	Sensitivity mm/m	Form	Base mm
EB075002150	1.120,00	0,02	A	150
EB075002100	1.000,00	0,02	A	100
EB075002200	1.140,00	0,02	B	200
EB075002300	1.520,00	0,02	B	300

Scraped linear spirit level sensitivity 0.02 mm/m

Base with V-groove, for checking flat and cylindrical surfaces.

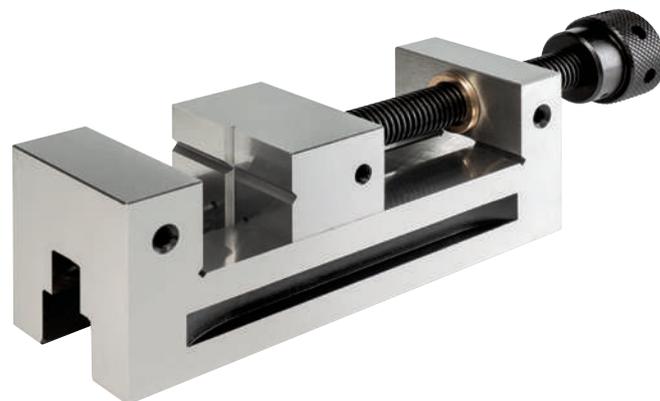
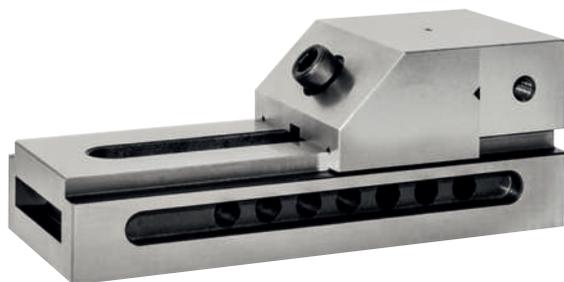
Code 1	€	Length mm	Sensitivity mm/m
EB051150	235,00	150	0,02
EB051200	250,00	200	0,02
EB051250	350,00	250	0,02



Tool setter

Durable aluminium structure. Hardened ground steel plate. Magnetic support base for use also horizontal. Tolerance on zeroing height: ± 0.005 mm. Fast and precise tool for zeroing tools on traditional and CNC machines. Once the zeroer is positioned on the machine table, approach it with the tool and press down on the plate until the set zeroing height is reached.

Code 1	€	Readout mm	Stroke mm	Zeroing mm
HA20050	170,00	0,01	5	50
HA200100	220,00	0,01	5	100



Precision steel vice

Precision steel vice for accurate measurements and machine operations. Prism, in the moving section of the instrument, ground both vertically and horizontally.

Code 1	€	Length mm	Opening mm	Width mm	Height mm	kg
EB10565	80,00	65	25	25	10	0,3
EB105100	90,00	100	40	36	20	1
EB105140	100,00	140	65	50	25	2
EB105175	115,00	175	85	63	32	4,1
EB105245	250,00	245	125	100	45	10
EB105285	340,00	285	160	125	50	21
EB105330	515,00	330	200	150	50	20

Precision steel vice

Precision steel vice for accurate measurements and machine operations. Prism, in the moving section of the instrument, ground both vertically and horizontally.

Code 1	€	Length mm	Opening mm	Width mm	Height mm	kg
EB110155	135,00	155	65	50	25	3
EB110190	160,00	190	85	63	32	3,8
EB110210	220,00	210	100	73	35	5
EB110250A	240,00	250	125	88	40	11
EB110250B	320,00	250	125	100	45	13

NEW

sylvac



Universal ratchet

Constructed entirely of hardened stainless steel. 4 x 90° graduation, accuracy ± 1'. 1° reading on the nonius in the centre of the instrument. Magnifying glass, and 1' (1/60°) on the nonius of the micrometer. Patented system of automatic unblocking-unblocking of the rotation, with simple pressure on the micrometer. Patented system of unblocking-unblocking of the movable scale supplied with 90° stainless steel recognition square, 1 x 150 mm scale and 1 x 300 mm scale. An instrument of extraordinary precision, practicality, simplicity and reliability. Can be considered the most accurate mechanical goniometer on the market.

Code 1	€	Range	Resolution	Fixed line mm
EB020360	725,00	0 ÷ 360°	1'	85

IP54 digital goniometer with Bluetooth

Resolution 0.01°. Accuracy ±0.06°. Protection IP54. Electronics protected against dust and splash water. Display modes in degrees, minutes of arc and radians. Including 200 mm scale. Optional 300 mm and 500 mm scales.

Code 1	€	Range	Accuracy	Resolution
EA009200BT	2.430,00	1x360°, 2x180°, 4x90°	4 arcminutes / 0.06° / 0.012 rad	0.01° / 1 arcminute (0°01') / 0.0001 rad



Rapporteur with lens

Hardened stainless steel construction. Economical, high-precision scale. Parallax error-free reading scale.

Code 1	€	Range	Resolution	Fixed line mm
EB022300	85,00	0 - 360°	5'	100

Digital goniometer made of stainless material

Hardened scales. Accuracy ± 2'. Supplied with 150 mm and 300 mm moving scales.

Code 1	€	Campo	Resolution	Moving blade mm
EA012300	375,00	0° ÷ 360°	1' - 1/100°	150 - 300



MEGAtower

Altimeter

Resolution 0.001 mm. Electronically adjustable measuring force. Touch probe balancing system. Swiss-built, robust, accurate and reliable altimeter. High-contrast, easy-to-use display unit. RS232 and USB interface. Equipped with air cushion for easy handling on the plane. Supplied with 4 mm dia. ruby touch probe, calibration sample and protective cloth.

Code 3	€	Range mm	Base mm
GA050400	5.250,00	400	278 x 270
GA050700	5.889,00	700	278 x 270

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

GA053KIT7



GA053KIT16



GA053KIT20



Altimeter accessory set

Cases complete with accessories for using the instrument to its full potential. Comprising probes and arms for all requirements.

Code 3	€	Pieces
GA053KIT7	595,00	7
GA053KIT16	1.530,00	16
GA053KIT20	2.060,00	20



Replacement touch probe for altimeters

Ruby and carbide ball probes.

Code 3	€	Length mm	Ø mm
GA052R490	270,00	90	4
GA052R5129	370,00	129	5
GA052W175	470,00	75	1
GA052W2130	630,00	130	1
GA052W280	490,00	80	1



Bluetooth® data transmission kit

Bluetooth® data transmission kit for Trimos altimeters.

Code 3	€	Description
GA054BT	585,00	Data transmission kit

NEW



NEW



V5

Altimeter

Resolution 0.0005 mm. Swivelling digital display. High-contrast, easy-to-use display unit. Patented system for manual and motorised slider adjustment. Fine adjustment function with integrated motor. Robust, stable and precise design. RS232, USB interface and optional wireless data output. Automatic probe calibration function. Can be used with different probes (Ø 4 mm as standard).

Code 3	€	Range mm	Base mm
GA0600400	5.850,00	400	275 x 270
GA0600700	6.850,00	700	275 x 270
GA0601100	10.800,00	1100	275 x 270

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



V7

Motorised 2D altimeter

Resolution 0.01 0.001 0.0001 mm. Completely redesigned and extremely robust cast-iron base structure. Reinforced housing. Trolley with external probe arm and double measuring arm holder. Mechanically adjustable balance with the possibility of using long arms and a large number of probes. Air cushion. Comprehensive and quickly accessible measuring functions: planes, diameters, centre distances, graphical representation of the "EasyScan" reversal point, min/max and delta. Calculation functions between all measurements in buffer. Tolerance setting. mm/inch conversion. Angle measuring function. Perpendicularity processing. Management of 9 datums with dedicated PRESET values. Two-dimensional measurements with graphical representation. Temperature compensation function with input of expansion factor. Free data export software to PC. Heidenhain measuring system with possibility of integrating perpendicularity probe. Integrated manual and motorised movement.

Code 3	€	Range mm	Base mm
GA0700400	9.215,00	407	283 x 270
GA0700700	9.845,00	711	283 x 270
GA0701100	15.805,00	1110	358 x 350
GA0701800	32.000,00	1810	358 x 350

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

NEW



NEW



V1

V1+

Trimos Surface Gauge V1-

Resolution 0.01mm. Completely developed and manufactured in Switzerland. Force-free movement crank with clamping and micrometric adjustment. Ideal for plotting and simple one-way measurements. Plotting tip included.

Code 3	€	Range mm
GA0050300	2.700,00	306
GA0050600	2.970,00	611

Altimeter

This model exceeds the core features of the V1 model, meeting the needs of those who wish to expand their measuring capabilities. It implements bi-directional measurement, which increases versatility without requiring additional accessories, and the V1+ is also perfect for measuring diameters, both internal and external. It also offers advanced fine adjustment and constant measuring force, both essential for improving measurement accuracy and repeatability. Robust and easily transportable. Clear and simple user interface. Integrated counterweight in the column. Fast and smooth carriage movement. Designed and manufactured in Switzerland. Diameter measuring capability. Measuring force management. RS232 connectivity. The +GR specification in the technical code indicates granite base.

Code 3	€	Range mm	Base mm
GA0100300P	3.610,00	306	203 x 129
GA0100300GRP	3.990,00	306	300 x 200
GA0100600P	3.880,00	611	205 x 156
GA0100600GRP	4.350,00	611	300 x 200

NEW



NEW



Hi_Cal V2 Smart

Altimeter with Bluetooth®

Resolution 0.001mm. Accuracy 2.5+L/175mm. Completely redesigned mechanics. Compact and handy. Switch on and measure, maximum simplicity. Measurement of heights, thicknesses, depths, inside/outside diameters and wheelbases. Integrated Bluetooth data transmission technology. Mini-USB and serial connectors for data transmission via cable. New generation progressive motorisation. Extremely low measuring force (adjustable 0.2-0.3N). Simultaneous display of diameter and wheelbase. Quick probe change. Wide range of accessories. Small "A4 size" working surface.

Code 3	€	Range mm	Base mm
GA030155	4.355,00	0 + 155	92 x 147
GA030320	4.755,00	0 + 320	92 x 147
GA030470	5.385,00	0 + 470	112 x 172



Hi_Gage ONE Smart

Altimeter with Bluetooth®

Resolution 0.01mm. Constant storage function (probe diameter) for bi-directional measurements. Ergonomic cast iron base. Column with hardened steel rails. Quick clamping system and fine adjustment unit with locking screw. Probe holder block with Ø8mm coupling.

Code 3	€	Range mm
GA031400	1.335,00	400
GA031600	1.480,00	600



Multifunction digital trussing

Resolution 0.01 mm. LCD display. Hardened stainless steel. Accessories available on request. Feeler attachment \varnothing 8 mm included. Feeler attachment and spare scribing tips available on request depending on model.

Code 1	€	Range mm	Accuracy mm	Section mm
GA080300	255,00	0 ÷ 300	± 0,04	23 x 6
GA080500	405,00	0 ÷ 500	± 0,05	31 x 11
GA0801000	1.035,00	0 ÷ 1000	± 0,07	50 x 16
GA0801500	1.590,00	0 ÷ 1500	± 0,11	50 x 16

Code 1	€	Description
GA081COMP	50,00	Comparator holder
GA100TAST	45,00	Probe attachment
GA100PUNTA	55,00	Replacement drill bit
GA1000300TIP	25,00	Drill bit for 300 mm
GA1000500TIP	30,00	Tracing bit for 500 mm



Double-column clockwork surface gauge

Resolution 0.01 mm. Hardened stainless steel.

Code 1	€	Range mm	Accuracy mm	Base mm
GB010300	270,00	0 ÷ 300	± 0,04	135 x 90
GB010600	475,00	0 ÷ 600	± 0,05	180 x 120



Digital Trussing

Resolution 0.01 mm. LCD display. Hardened stainless steel. With crank and rack. 8 mm dia. probe holder included.

Code 1	€	Range mm	Accuracy mm
GA095300	400,00	0 ÷ 300	± 0,04
GA095600	690,00	0 ÷ 600	± 0,05



HA155
Detergent for lapped surfaces



HA160
Granite polishing oil

**STAND INCLUDED
WITH NON-SLIP FEET**

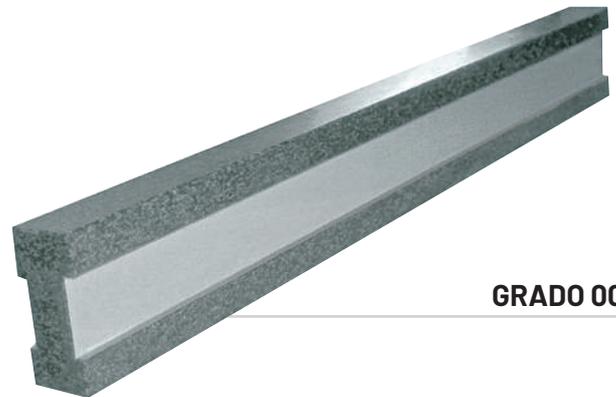
Black granite trivet table

Non-magnetic, non-conducting granite tabletop. Made of stainless material. African Black Grade "0". Complete with painted rectangular steel frame. Levelling pins and adjustable feet. Supplied with test certificate DIN 876/0. On request tabletops in absolute black or African Black Grade "00" diabase.

Code 1	€	Plan dimensions mm	Accuracy mm
HA122630T	650,00	630 x 400	± 0,004
HA122800T	845,00	800 x 500	± 0,004
HA1221000T	1.150,00	1000 x 630	± 0,004
HA1221200T	1.750,00	1200 x 800	± 0,005
HA1221600T	2.490,00	1600 x 1000	± 0,006
HA1222000T	3.490,00	2000 x 1000	± 0,006



GRADO 00



GRADO 00

Black granite control square

Suitable for perpendicularity checks. Manufactured to very tight tolerances and with stable support. Relief holes are drilled in the large squares. Surfaces are lapped. Grade "00" finish with accuracies as per table. Available in absolute black diabase on request.

Code 1	€	Dimensions mm	Flatness mm	Accuracy mm	Perpendicularity mm	kg
HA140400	975,00	400 x 250 x 80	3/2,5	± 0,0018	3	10
HA140500	1.250,00	500 x 300 x 60	3/2,5	± 0,002	3,5	20
HA140630	1.990,00	630 x 400 x 80	3	± 0,0023	4	35
HA1401000	3.705,00	1000 x 630 x 100	4/3	± 0,0026	6	120

Black granite double T flat bar

Two flat, parallel lapped faces. Double-T section for stability and lightness. Parallelism tolerance is equal to flatness tolerance. On request in absolute black diabase.

Code 1	€	Dimensions mm	Parallelism μ	Accuracy mm	kg
HA135500	805,00	500 x 50 x 80	3	± 0,0015	5
HA135750	990,00	750 x 50 x 80	3,4	± 0,002	8
HA1351000	1.305,00	1000 x 60 x 140	4	± 0,002	23
HA1351500	2.190,00	1500 x 80 x 180	5	± 0,0026	40
HA1352000	3.390,00	2000 x 100 x 220	6	± 0,003	80



V-shaped parallel steel blocks

Machined and supplied in pairs. 90° hollow-forming surfaces. Accuracy 0.01 mm. 0.10 mm on request.

Code 1	€	Dimensions mm	Accuracy mm
HA03560	105,00	60 x 60 x 50	± 0,01
HA03575	110,00	75 x 75 x 60	± 0,01
HA03590	110,00	95 x 70 x 35	± 0,01
HA035100	165,00	100 x 80 x 60	± 0,01
HA035120	200,00	120 x 90 x 60	± 0,01
HA035150A	270,00	150 x 100 x 60	± 0,01



Magnetic prism

Suitable for quick positioning during machining and testing operations. Sold individually.

Code 1	€	Dimensions mm	V-shaped surface kg	Flat surface kgf
HA04280	195,00	80 x 56 x 72	55	70
HA042115	325,00	115 x 75 x 100	90	110



Hardened stainless steel control line

Suitable for high-precision checks. Ground on all faces. With handle and double-T section for stability and lightness. With serial number. Built to DIN 874/1.

Code 1	€	Dimensions mm	Section mm	kg
HA115500	330,00	500	50 x 12	2
HA1151000	590,00	1000	70 x 15	4,70
HA1151500	890,00	1500	90 x 20	14
HA1152000	1.390,00	2000	90 x 20	19
HA1153000	3.190,00	3000	90 x 20	31,50

Stainless steel millimetre rule without bevel

Conforms to DIN 866/A.

Code 1	€	Dimensions mm	kg
HA105500	85,00	500 x 43 x 5	0,90
HA105750	105,00	750 x 43 x 5	1,30
HA1051000	145,00	1000 x 43 x 5	1,80
HA1051500	220,00	1500 x 43 x 5	2,60
HA1052000	320,00	2000 x 43 x 5	3,50



Simple square in hardened stainless steel

Fully ground on faces. High-precision. Manufactured and tested to high quality standards according to DIN 875/0. With serial number.

Code 1	€	Dimensions mm
HA085100	36,00	100 x 70
HA085150	55,00	150 x 100
HA085200	72,00	200 x 130
HA085300	110,00	300 x 200



Hardened stainless steel hat square

Fully ground on faces. High-precision. Manufactured and tested to high quality standards according to DIN 875/0. With serial number.

Code 1	€	Dimensions mm
HA075100	48,00	100 x 70
HA075150	58,00	150 x 100
HA075200	75,00	200 x 130
HA075300	160,00	300 x 200



Simple bevelled square in hardened stainless steel

The two chamfered and lapped sides allow for more accurate visual inspection. Fully ground high-precision square being manufactured and tested according to strict procedures, following DIN 875/00. Equipped with serial number.

Code 1	€	Dimensions mm
HA090100	47,00	100 x 70
HA090150	68,00	150 x 100
HA090200	95,00	200 x 130
HA090300	160,00	300 x 200



Bevelled square with hardened stainless steel cap

The two chamfered and lapped sides allow for more accurate visual inspection. Fully ground high-precision square being manufactured and tested according to strict procedures, following DIN 875/00. Equipped with serial number.

Code 1	€	Dimensions mm
HA092100	62,00	100 x 70
HA092150	72,00	150 x 100
HA092200	120,00	200 x 130
HA092300	180,00	300 x 200

OUR CALIBRATION SERVICE



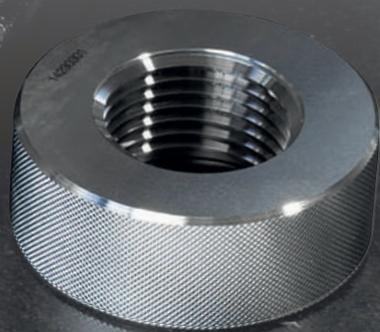
00275

UTENSIL LINE, part of the A+B Group, operates an ACCREDIA-accredited calibration laboratory (No. 00275) specialising in length, torque and hardness measurements. This enables the company to calibrate new measuring instruments or those requiring periodic re-calibration, issuing calibration reports and ACCREDIA calibration certificates.

*PERFORMANCE TESTED
FROM THE VERY
FIRST USE*



*ELIMINATION OF DISPUTES
REGARDING PRODUCTS
PROCESSED*



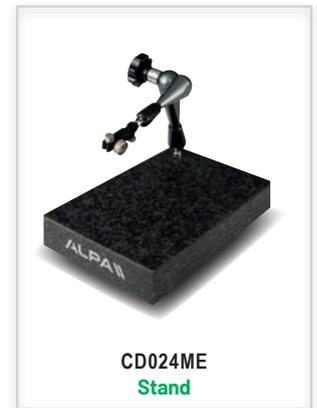
The image features a dark industrial measuring machine with a prominent green diagonal overlay. A digital display on the right shows a control interface with a temperature of 0.0°C, three circular gauges, and a table of data. The table has columns for 'Type', 'Actual', and 'Deviation'.

Type	Actual	Deviation
Act	100.00	0.00

MEASURING MACHINES AND HIGH TECHNOLOGY INSTRUMENTS

SCAN S25T

+ SWISS
MADE



CD024ME
Stand



LITE surf

Portable rugosimeter with Bluetooth

Innovative portable roughness tester with interchangeable touch probe rotatable by 90° ideal for measurements directly in production and in machine tools. Extremely small dimensions (smallest currently on the market) and fast battery charging via USB cable make this instrument a breakthrough in roughness measuring instrument design. Data export via cable to Android mobile devices. Resolution μm 0.001. Maximum scanning stroke mm 17.5. Cut-off length mm 0.25 - 0.8 - 2.5.

PARAMETERS

Ra, Rq, Rt, Rz, Rc, Rmax, Rsm, Rpc

Code 3	€	Description
LA251LITEND	1.950,00	Portable rugosimeter
LA251LITEBT	2.250,00	Portable rugosimeter with Bluetooth

Code 3	€	Description
LA252PR50	315,00	Extension 50 mm
LA252PR100	315,00	Extension 100 mm
LA252090	845,00	Standard SB51 touch probe for 90° surfaces
LA252SB2	800,00	Software professionale
CD024ME	325,00	Jointed dial indicator stand with granite top

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



CD024ME
Stand

FACETest 25

Portable rugosimeter with graphic display

The ALPA FACETest 25 roughness tester is simple and extremely easy to use. Ideal for measuring parts even directly on workstations or in production machines. Thanks to its internal memory, easy handling and integrated battery ALPA FACETest 25 is suitable for measurements under difficult conditions on large or complex parts. Allows measurement of 31 parameters with graphical display. Provides advanced analysis typical of a laboratory instrument. Immediately displays roughness profile, primary profile and lift profile graphs. Equipped with 90° rotatable touch probe and 2" TFT graphical display. Measuring range $\mu\text{m} \pm 300$. Resolution $\mu\text{m} 0.001$.

Basic software and connection cable included.

PARAMETERS

ISO 4287 | Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsm, Rdc, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, R_{Pc}, P_{Pc} - Rk, R_{pk}, P_{vk}, Mr1, Mr2 - Pt, R, Rx, AR-R3, R3zm, Rmax

Code 3	€	Description
LA250DIS	1.790,00	Portable rugosimeter with graphic display

Code 3	€	Description
LA250SB	625,00	Software with graphics + USB cable for LA250FIX and LA250CHA
LA250SB1	765,00	Software with graphics + USB cable
CD024ME	325,00	Jointed dial indicator stand with granite top

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

NEW



Portable rugosimeter

High-resolution portable rugosimeter with a wide measuring range. Thanks to its removable probe, it can be used in any position and orientation. The colour LCD screen ensures excellent visibility and makes it easy for the operator to use. Measuring range: -210 to +160 μm . Resolution: 0.0007 μm / -210 to 160 μm . Maximum scanning range mm 16. Cut-off length mm 0.08, 0.25, 0.8, 2.5. Removable probe with 2 μm diamond, 60° cone.

Code 3	€	Description
LA280E352MC	2.250,00	Portable rugosimeter

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



FACeTest 80

High-performance rugosimeter

Thanks to its ease of handling and simplicity of use, the ALPA FT 80 roughness tester allows even the most complex surfaces to be measured easily and intuitively. The 5.7-inch colour touchscreen display, combined with the icon-based interface, enables the operator to quickly set the measurement parameters, position the device precisely on the workpiece and carry out the analysis. Results and their tolerances are immediately ready to be printed using the integrated thermal printer. The graphs and parameters are interactive, allowing the operator to quickly and easily customise the presentation of the results. The ALPA FT 80 is suitable for production environments or metrology laboratories.

TL90 TRANSLATOR

Laboratory translator with friction-controlled micrometric positioning for roughness measurements with or without a slide, X-axis stroke 50 mm. Precision measurements can be carried out using a free-standing diamond tip, even on curved surfaces.

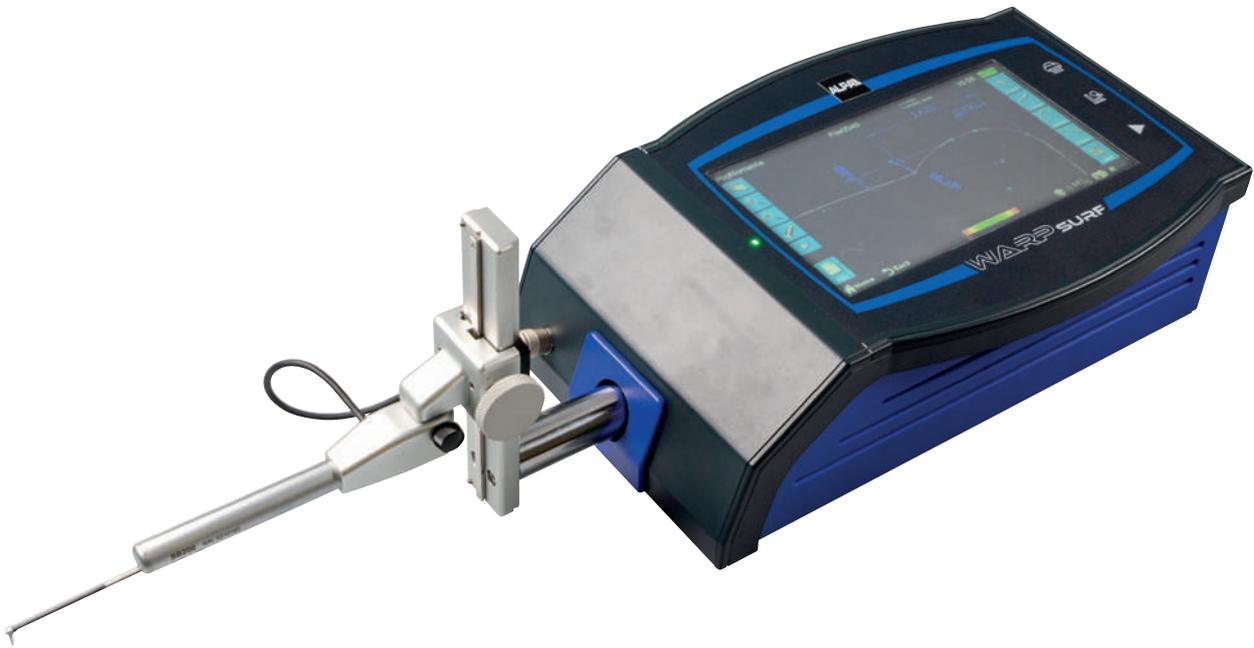
PARAMETERS

ISO 4287-1997, ISO 12085, DIN 4768, ISO 13565 | Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsk, Rku, Rsm, Rdc, R_{Pc}, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, PPc, Wa, Wq, Wt, Wz, Wp, Wv, Wc, WSm, Wdc, W_{Pc}, Rk, Rpk, Pvk, Mr1, Mr2, Pt, Pdc, PPc, R, Rx, AR, Wte, W, AW, Wx, Rke, R_{pke}, Rvke, Mr1e, Mr2e Rmax, R3z, R3zm

Code 3	€	Description
LA255TL90	6.900,00	High-performance rugosimeter

Code 3	€	Description
LA250SB1	765,00	Software with graphics + USB cable

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



WARPsurf

Bluetooth® Portable Rugoprobe

This new Roughness and profilometer revolutionises roughness and profile measurement and thanks to its compact size and easy handling can be used in a wide variety of measuring conditions. Interchangeable magnetic-mounted touch probes for fast switching between modes. Features a large 7" touchscreen display with 16 million colours and thanks to the 81 measurable roughness parameters meets the current main international standards. Integrated software for profile analysis. Wide measuring range in roughness and profilometry. Automatic storage of the last 6 measurements. Manual storage of up to 1000 profilometry measurements and 4000 roughness measurements (graphs + parameters). Configurable report export directly from the instrument via USB stick. Measuring range $\mu\text{m} \pm 2500$. Resolution $\mu\text{m} 0.0001$. Cut-off length 0.08 / 0.25 / 0.8 / 2.5 / 8. Number of cut-offs selectable from 1 to 20 (for 8mm cut-off 1 to 6). Maximum scanning range 60.

PARAMETERS

ISO 4287-1997, ISO 12085, DIN 4768, VDA2007 | Ra, Rq, Rt, Rz, Rp, Rv, Rc, Rsk, Rku, RSm, RΔq, RΔa, Rmax, Rδc, Rmr, R_{Pc}, RLo, Rlr, Rzjis, RHSC, Pa, Pq, Pt, Pv, Pc, Psk, Pku, PSm, PΔq, Pδc, P_{Pc}, PLo, Plr, PHSC, Wa, Wq, Wt, Wz, Wp, Wv, Wc, Wsk, Wku, WSm, WΔq, Wδc, W_{Pc}, WLo, Wlr, WHSC, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, WDSm, WDc, WDt, R, AR, Rx, W, Aw, Wx, Wte, Rke, Rpke, Rvke, Mr1e, Mr2e, A1e, A2e.

Code 3	€	Description
LA253RP	13.900,00	Bluetooth® Portable Rugoprobe

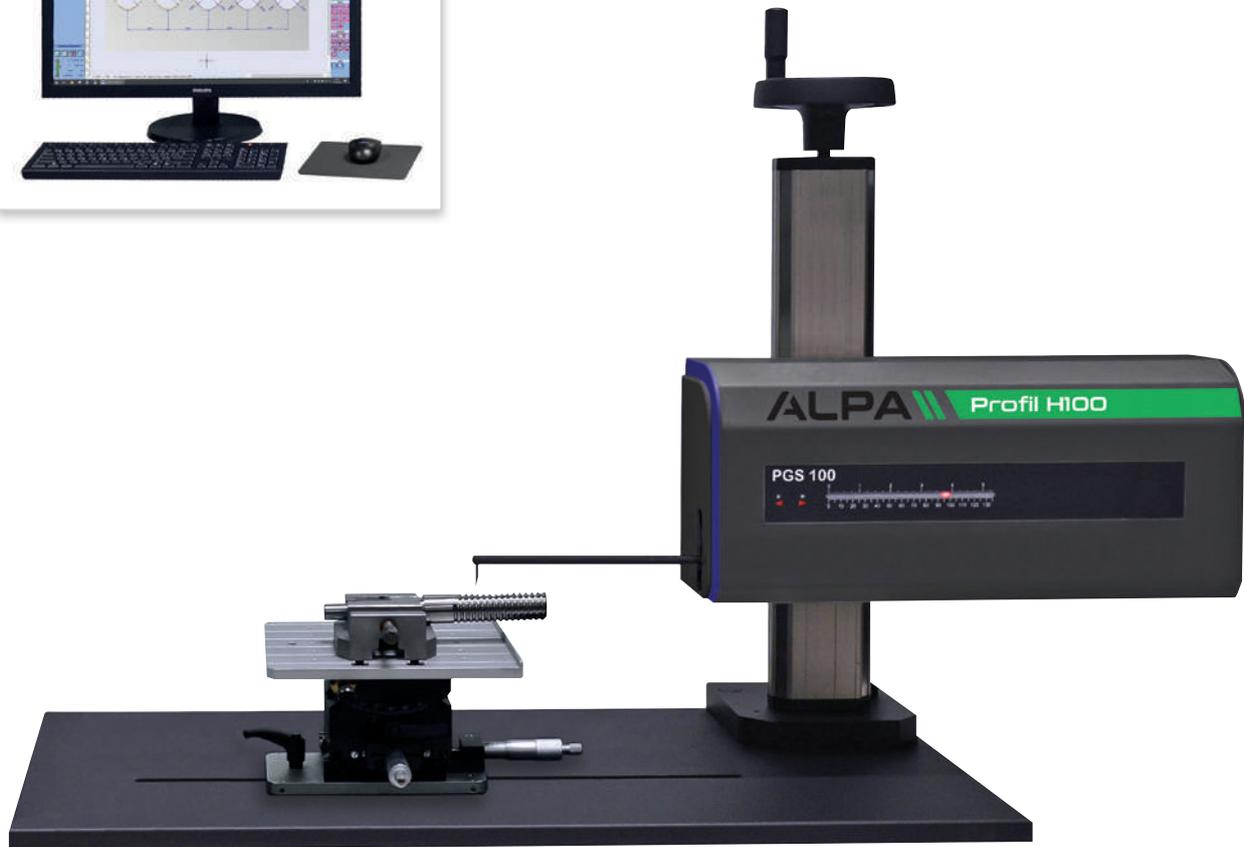
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



LA430MANKIT

18.900,00 €

Manual laboratory profilometer +
4-axis positioning table +
45 x 45 mm calibration block



Profil H100

Profile gauge with manually adjustable column

New profilometer, simple, compact and with a wide measuring range. Manual column adjustment, automatic CNC measuring and positioning cycles. Thanks to the Profile Studio Basic software installed, ALPA PROFIL H100 is extremely easy to use for the operator. The program allows, through intuitive icons, the dimensioning of the measurable parts. Possibility to mount tables and accessories for clamping parts. Supplied with standard H31mm probe, PC complete with monitor, mouse, keyboard and analysis software PROFILE STUDIO BASIC. Positioning speed 0-10 mm/s. Measuring speed 0.2-2 mm/s.

SUPPLIED WITH: standard H32mm probe, PC COMPLETE WITH MONITOR, MOUSE, KEYBOARD AND BASIC STUDIO PROFILE ANALYSIS SOFTWARE.

Code 3	€	Description
LA430MAN	16.900,00	Manual laboratory profilometer
LA446M	315,00	Clamp
LA442T3	2.635,00	3-axis positioning table
LA444T4	3.175,00	4-axis positioning table
LA450TAR	1.500,00	Calibration sample 45 x 45 r3 mm

Code	LA430MAN
Measuring range X μm	130
Z measuring range μm	50
Res X μm	0,5
Res Z μm	0,2
kg	34

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



H-Master

Rockwell automatic analogue bench hardness tester

For measuring metal hardness on ROCKWELL scales. Cast-iron supporting structure. Max. test height 175 mm, depth 165 mm. Mechanical load application system using the weight method, in accordance with UNI-DIN-ASTM standards, with loads of kgf 60/100/150 for Rockwell scales A, B and C. Manual pre-loading and motorised and timed load application. Workpiece support with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- Diamond Cone Penetrator
- Ball indenter Ø 1/16" Rockwell B scale
- Specimen HRC 20-33
- Specimen HRC 57-70
- Specimen HRB 85-100
- Positioning plate Ø 60 mm

Code 3	€	Dimensions mm	kg
LB101AR	3.080,00	550 x 185 x 755	90

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



H-Master

Digital automatic Rockwell bench hardness tester

Hardness tester for measuring hardness on metals on the ROCKWELL scales. Supporting structure in cast iron. Max. test height 175 mm, depth 165 mm. Mechanical load application system with weight method, conforming to UNI-DIN-ASTM standards with loads of kgf 60/100/150 for Rockwell scales A, B and C. Manual pre-loading and motorised and timed load application. Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-shaped prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- Diamond Cone Penetrator
- Ball indenter Ø 1/16" Rockwell B scale
- Specimen HRC 20-33
- Specimen HRC 57-70
- Specimen HRB 85-100
- Positioning plate Ø 60 mm

Code 3	€	Dimensions mm	kg
LA731DR	3.600,00	550 x 185 x 755	90

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

QUICK GUIDE



Schwer

Rockwell manual analogue bench hardness tester

Hardness tester for measuring hardness on metals on the ROCKWELL scales. Supporting structure made of cast iron. Max. test height 170 mm, depth 165 mm. Hydraulic load application system with weight method, compliant with UNI-DIN-ASTM standards, with loads of kgf 60/100/150 for Rockwell scales A, B and C. Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V-prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- Diamond Cone Penetrator
- Ball indenter Ø 1/16" Rockwell B scale
- Replacement balls
- Specimen HRC 20-30
- Specimen HRC 60-70
- Specimen HRB 20-30

Code 3	€	Dimensions mm	kg
LB060AR	1.690,00	520 x 240 x 700	80

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



Schwer

Digital manual Rockwell bench hardness tester

Hardness tester for measuring the hardness of metals on the ROCKWELL scales. Supporting structure made of cast iron. Max. test height 170 mm, depth 165 mm. Hydraulic load application system with weight method, compliant with UNI-DIN-ASTM standards with loads of kgf 60/100/150 for Rockwell scales A, B and C. Readout on digital display. Workpiece support equipped with 1 flat table Ø 150 mm, 1 flat table Ø 55 mm and 1 table with V prism for measuring cylindrical parts.

STANDARD EQUIPMENT

- Diamond Cone Penetrator
- Ball indenter Ø 1/16" Rockwell B scale
- Specimen HRC 20-30
- Specimen HRC 60-70
- Specimen HRB 80-95
- Positioning plate Ø 60 mm

Code 3	€	Dimensions mm	kg
LA720DR	2.325,00	500 x 150 x 700	87

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



Universal bench hardness tester

Durometro universale da banco con le seguenti caratteristiche: scale Rockwell (HRA, HRB e HRC), Brinell e Vickers, struttura portante in fusione di ghisa, altezza massima di prova 170 mm, profondità 165 mm, applicazione del carico con meccanismo motorizzato e temporizzato, precarico 10 kgf e carichi 60-100-150 kgf per le scale Rockwell A, B e C, carichi di 31,2-62,5-187,5 kgf per le scale Brinell, carichi di 30 e 100 kgf per le scale Vickers, lettura scale Rockwell su comparatore, lettura impronte Brinell e Vickers tramite microscopio incorporato.

STANDARD EQUIPMENT

- Diamond Cone Penetrator for Rockwell scales
- Diamond pyramid indenter for Vickers scales
- Ball indenter Ø 1/16" Rockwell B scale
- Brinell ball indenter Ø 2.5 mm
- Brinell ball indenter Ø 5 mm
- Specimen HRC 20-33

Code 3	€	Dimensions mm	kg
LB151AU	4.140,00	520 x 215 x 700	96

Code 3	€	Description
LB430TAV	485,00	Bench
LB450HRC	195,00	Rockwell diamond cone indenter
LB450HRB	125,00	Ball indenter Ø 1/16" Rockwell B
LB450HV	225,00	Diamond pyramid indenter for Vickers scales
LB45025HB	130,00	Brinell 2.5 mm ball indenter
LB45050HB	145,00	Brinell ball indenter 5 mm



QUICK GUIDE

Portable ultrasonic hardness tester

The portable ultrasonic hardness tester solves the classic problem of portable rebound hardness testers (Leeb) which need components with a mass of at least approx. 5 kg to guarantee reliable hardness measurements. With this universal instrument you can either use the classic rebound probe or the ultrasonic probe for smaller components or surface hardnesses making it a very versatile instrument. The scope of delivery includes instrument, rebound probe, ultrasonic probe and hardness specimen. Up to 100 readings can be stored and 20 materials can be stored to avoid recalibration each time the instrument is used.

Code 1	€	Hardnesses
LA7562	5.410,00	HV - HB - HRC HB - HRB HRA - HSHL HLD - HL

Leeb portable rebound hardness tester

Measuring range: HLD (200-960) / HRC (19.8-68.5) / HRB (13.5-100) / HB (30-651) / HV (80-976) / HS (26.4-99.5) with Type D probe (Standard). Accuracy ± 6 HLD (HLD=800), repeatability < 6 HLD (HLD=800). Impact direction 360° manually settable. Materials: steel, cast iron, stainless steel, aluminium alloys, copper-tin alloys, brass. Minimum sample weight: 5 Kg. Display: LED backlit LCD in English. Memory 100 groups (each group includes 1-7 results and 1 average value), USB communication (Standard) with software included and 2 x 1.5V AA batteries. Standard GB/T 17394-1998, ASTM A956. Suitable for large parts and comparative measurements.

Code 1	€	Hardnesses
LA758D	1.405,00	HLD - HRC - HRB HB - HV - HS

NEW



TECLOCK®



Ultrasonic thickness gauge

With its design and functionality, it easily and accurately measures the thickness of a wide range of materials (steel, iron, cast iron, plastic, aluminium, etc.). Thanks to the different measuring modes, it can also measure the thickness of materials through a coating. High-contrast backlit display. Selectable resolution: 0.1mm or 0.01mm. Measuring range: 1-300 mm. Internal memory for saving measurements. Standard 5 MHz probe with 10mm contacts diameter. Auto-off function.

Code 1	€	Range mm	Resolution mm
LA620UTG	480,00	1 ÷ 300	0,1 - 0,01

Shore A/D hardness tester

Analogue hardness tester for measuring hardness on rubber, plastic, sponges and related materials. This instrument directly measures Sha and ShD hardness.

Code 1	€	Shore mm	Range mm	Stroke mm
LB202A	165,00	A	0 ÷ 100	0 - 2,5
LB202D	220,00	D	0 ÷ 100	0 - 2,5

Shore hardness testers

Code 1	€	Description
LB2253D	140,00	Shore D test specimen set 3 pieces
LB2257A	210,00	Shore A test specimen set 7 pieces



Coat thickness gauge with built-in probe - SCALE 1

The Elcometer 456 is a portable instrument designed to measure the thickness of coatings (chrome plating, paint, zinc plating, rubber, etc.) on ferromagnetic or non-magnetic metals. Various models are available depending on the required features, and the instrument is equipped with either a built-in probe or an external probe.

- Measuring range up to 31mm with external probe
- IP64 protection and resistant to scratches and solvents
- Supplied with calibration gauges
- Accuracy as low as +/- 1%.



CALIBRATION SHIM SET

Code 1	€	Number of thicknesses	Range μm
LA563060	150,00	6	25 ÷ 1000



STANDARD REPLACEMENT PROBES

Campo di misura: 0-1500μm			
Code 1	€	Base	
LA544F	545,00	Ferrous	
LA544NF	690,00	Non-ferrous	
LA544FNF	950,00	Ferrous / Non-ferrous	

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

Not suitable for measurement on materials with a nickel content > 10%

WITH INTEGRAL PROBE

Campo di misura: 0-1500μm - (0-60mils) Precisione: ±3%		
Code	€	Base
LA510FB	785,00	Ferrous
LA510NFB	1.005,00	Non-ferrous
LA510FNFB	1.290,00	Ferrous / Non-ferrous

WITH INTEGRAL PROBE AND DATA OUTPUT

Code 1	€	Base
LA510FS	1.020,00	Ferrous
LA510FNFS	1.700,00	Ferrous / Non-ferrous

WITH SEPARATE PROBE

Code 1	€	Base	Base
LA525FBKIT	1.078,00	LA525FB + LA544F	Ferrous
LA525NFBKIT	1.210,00	LA525NFB + LA544NF	Non-ferrous
LA525FNFBKIT	1.635,00	LA525FNFB + LA544FNF	Ferrous / Non-ferrous

WITH SEPARATE PROBE AND DATA OUTPUT

Code 1	€	Base	Base
LA525FSKIT	1.215,00	LA525FS + LA544F	Ferrous
LA525NFSKIT	1.365,00	LA525NFS + LA544NF	Non-ferrous
LA525FNFSKIT	1.810,00	LA525FNFS + LA544FNF	Ferrous / Non-ferrous



NEW



Ultrasonic thickness gauge

With its design and functionality, it easily and accurately measures the thickness of a wide range of materials (steel alloys, aluminium, copper, brass, PVC) up to 500 mm depending on the type of material measured and probe used. Simple to use. IP54 protection. Electronics protected from dust and splash water. Selectable resolution 0,1 mm or 0.01 mm. Built-in zeroing disk in the instrument. Supplied with standard 5 Mhz 1/4 inch probe, coupling fluid, screen protector, carrying case, batteries, manufacturer's calibration certificate (ElcoMaster software and USB cable only in LA505EEPE version).

Code 1	€	Accuracy
LA505EEPE	2.600,00	± 0.5 % up to 9.99 mm ± 0.5 % from 10 to 500 mm
LA505PE	1.650,00	± 0.1% up to 19.99 mm ± 0.5% 20 to 500 mm

Code 1	€	Description
LA539120	30,00	Coupling gel 120 ml
LA5391205	130,00	5 x Coupling gel 120 ml
LA5419014	750,00	90° probe Ø 14 mm

INSTALLATION AND TRAINING NOT INCLUDED

Portable carry-over meter

Measuring range 0–1250 µm / 0–50 mm. Accuracy ±1–3% or +2.5 µm. Resolution 0.1 µm / 1 µm. Minimum area thickness 6 mm. Minimum sample thickness 0.3 mm. Portable coating thickness gauge for fast, non-destructive and accurate measurements of coatings. Thanks to its two interchangeable ferrous and non-ferrous probes supplied with the instrument, it is capable of measuring the thickness of coatings on both magnetic and non-magnetic materials.

Code 1	€	Base
LA706NMF	490,00	Ferrous / Non-ferrous

Code 1	€	Description
LA707F	110,00	Probe for ferrous coatings
LA707NF	110,00	Probe for non-ferrous coatings



Dew point meter

This handy instrument can read surface temperature, air temperature and relative humidity at the same time. With these three values it can determine dew point, delta, wet bulb temperature and specific humidity. It is possible to set a minimum and maximum value on the various parameters, an alarm will warn the operator when these limits are exceeded. Only the T model is equipped with an internal memory that allows you to store your data via USB interface or Bluetooth with your PC using the supplied software.

Code 1	€	Internal probe range	Relative humidity range
LA660S	890,00	-20 ÷ 80C°	0 ÷ 100%
LA660T	1.090,00	-20 ÷ 80C°	0 ÷ 100%



Quadrettator for adhesion tests

The Elcometer Adhesion Tester provides an immediate assessment of the quality of adhesion to the substrate.

- Robust design
- Wide, non-slip grip
- Ideal for thin, thick or high-strength coatings
- Thanks to the ability to change blades quickly, it allows for
- adhesion testing on a wide range of coatings.

COMPLETE KIT

Code 1	€	Coating thickness µm
LA527KIT61	375,00	0 - 60
LA527KIT62	375,00	0 - 120

Code 1	€	Description
LA531BL61	155,00	Blades 6 x 1 mm
LA531BL62	155,00	Blade 6 x 2 mm
LA535ADT	70,00	ISO2409 adhesive strip roll



The A3 measuring arm is based on Aberlink 3D software. Designed on the basis of a simple graphical interface, Aberlink 3D can operate in 2D or 3D, on manual or CNC CMMs. The CAD module offers the possibility of comparing measured points with a mathematical model.



The new TRIMOS A3 measuring arms ensure extremely easy and precise 3D measurement. Certified according to ISO10360-2 or ISO10360-12, they allow quality control, inspection and inspection of medium and large parts.



Thanks to an extremely stable carbon structure, all models are lightweight and easy to use. The special design of these arms allows access to the measuring points around the workpiece.

3D measuring arm

Innovative, compact 6-axis measuring arm for extremely simple and precise 3D measurement. The A3 series is the most accurate range of measuring arms on the market. Its standout feature is its compact size, which allows it to be carried and used practically anywhere. The 6-axis configuration arm is available with measuring ranges of 1.3m and 1.8m. The carbon fibre tubes and aluminium mounting base give the A3 arm an extremely stable and lightweight structure. Its external counterweight ensures excellent ergonomics and manoeuvrability. The A3 measuring arms can be connected to any type of measurement software; for most workshop applications, we recommend the Aberlink 3D software. Aberlink's philosophy is to make measurement simple and effective.

Volumetric accuracy $\mu\text{m}(5 + L/50)(4 + L/40)$.
 Operating temperature $^{\circ}\text{C} 5 \div 40$.
 Protection class IP54.

Code P	Measuring range mm
LA1441300	1300
LA1441800	1800

PRICE ON REQUEST



Magnetic buttons allow rapid switching between functions without using the mouse. They can be positioned anywhere on the measuring surface. It is also possible to programme these buttons to perform any function in the Aberlink software.



Magnetic jigs allow the workpiece to be clamped quickly, ensuring that all points are precisely measured.



Compact and lightweight, easy to place on the shop floor or control areas. The compact and portable design allows it to be used wherever it is needed, in production close to the machine tools, in the quality control area or at a third party.

Manual shop-floor measuring machine

Fulcrum is a revolutionary CMM which, by utilising three rotating axes, achieves a compact and portable design, allowing it to be used wherever required – in production alongside machine tools, in quality control, or at third-party facilities. It is designed to optimise inspection times and improve the production process without having to wait for feedback from final quality control, thereby avoiding production delays. The software has been made even simpler, whilst retaining the full functionality of traditional measuring machines. Following manual inspection of the part, features are immediately recognised and the measured dimensions are displayed automatically. The intuitive software, ease of use and innovative design allow even less experienced operators to quickly check the components to be measured. Intuitive buttons allow you to switch quickly between functions without using the mouse, and parts can be positioned anywhere on the measuring surface. Fulcrum will thus become the tool of choice for quick and accurate inspections.

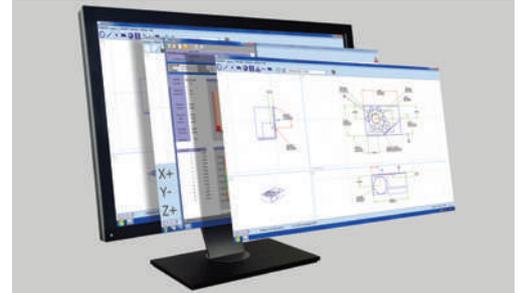
Accuracy μm (5.0 + L/1000).
 Line resolution μrad 1.15.
 Operating temperature $^{\circ}\text{C}$ 5 - 45.
 Optimum temperature $^{\circ}\text{C}$ 18 - 22.
 Compressed air No.
 Manual movement.

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA145280	280 x 280 x 150	335 x 830 x 725

PRICE ON REQUEST



The C4 has 4 motorised axes (X, C, Z, P), enabling high-performance 3D measurements. Its special point-taking module, equipped with a vertical and horizontal stylus, greatly increases the measurement possibilities.



Designed on the basis of a simple graphical interface, Aberlink 3D can operate in 2D or 3D, on manual or CNC CMMs. The CAD module offers the possibility of comparing measured points with a mathematical model.



At only 13.5 kg, the C4 CNC accompanies you wherever you need it. No more need to bring parts to the CMM, the TRIMOS C4 can be implemented directly in production.

C4

Portable CMM measuring machine

Measuring range: 270x270x250 mm. Resolution: 0.001 mm. Accuracy: LDIA 8 µm. Dimensions: 420x172x620 mm. Weight: 13.5 kg. Contacts: Renishaw TP20

Measuring range: 270x270x250 mm.
Resolution: 0.001 mm.
Accuracy: LDIA 8 µm.
Dimensions: 420x172x620 mm.
Weight: 13.5 kg.
Contacts: Renishaw TP20.

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA860C4E	270 x 270 x 250	420 x 172 x 620
LA860C4W	270 x 270 x 250	420 x 172 x 620

PRICE ON REQUEST



Automatic tool offset correction and automation options allow integration into fully automated production cells. The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine.



Fully sealed recirculating cross roller bearings and stainless steel scales ensure immunity to dirt. Swiss-made brushless motors and Deva's new motion control system ensure reliability on the shop floor. Smooth belt drives and linear bearings allow long styli to be used without false alarms due to vibration.



Not only is it quick and easy to perform individual inspections, but this machine also offers ample access for batch inspection or to facilitate automatic loading. With a larger measurement volume and a smaller overall footprint than any shop-floor CMM of comparable size, it can be placed exactly where measurement is needed.

Spider

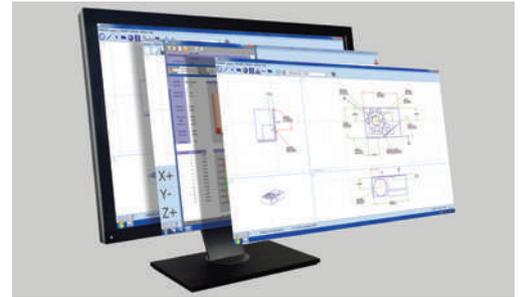
CNC 3D measuring machine

CNC 3D measuring machine with special design and delta motion. Maximum performance even in the most extreme production environments. Integrated temperature control with 5 sensors. Operation without compressed air supply. Easy positioning, thanks to its small footprint, close to machines on the shop floor and on production lines, even in automation, in all weather conditions. Precise and easy to use. Minimises inspection time ensuring maximum efficiency on in-line measuring operations

Accuracy μm TP20 (2.6 + L/250).
 Accuracy μm SP25M (2.3 + L/250).
 Line resolution μm 0.1.
 Operating temperature $^{\circ}\text{C}$ 5-45.
 Granite table top.
 Max. load kg 200.
 Compressed air: No.
 Speed Movement mm/sec 500.
 Acceleration mm/sec² 700.
 Motion Brushless motors and linear bearings.

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA138370	Ø370 x 270	730 x 715 x 2000
LA138520	Ø520 x 300	990 x 950 x 2200

PRICE ON REQUEST



The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.



Sliding on air bearings and movement by means of knobs. Oversized frictionless air bearings, all-aluminium bridge and granite table.



Measurement volume that allows the inspection of even medium to large workpieces. With a larger measurement volume and a smaller overall footprint than any shop-floor CMM of comparable size, it can be placed in smaller inspection chambers.

Axiom

Manual 3D measuring machine

Thanks to state-of-the-art technology in development and construction, ALPA TRUST ST coordinate measuring machines guarantee speed, precision and reliability for all types of measurement and can be used with contact, scanning or camera probes. The aerospace-grade alloy construction ensures excellent performance in terms of speed during programme execution. Using the innovative Aberlink 3D software, temperature compensation can be programmed according to the workpiece material, making ALPA TRUST ST machines ideal for workshop use as well. The CNC machine axes are moved using an intuitive joystick for fast and reliable measurements.

Accuracy μm TP8 (2.4 + 0.4L/100).

Accuracy μm TP20 (2.1 + 0.4L/100).

Line resolution μm 01.

Optimum temperature $^{\circ}\text{C}$ 18-22.

Operating temperature $^{\circ}\text{C}$ 5-45.

Honeycomb granite or Solid (optional).

Load kg 300 (honeycomb), kg 500 (solid).

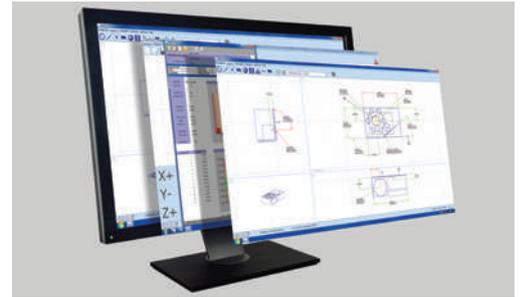
Compressed Air 7 bar (100psi) / 100 l/min (3.53cfm).

Manual movement with micrometric knobs and Kevlar belts.

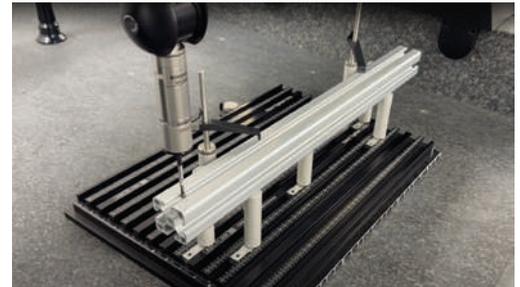
Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA140600	640 x 600 x 500	1130 x 900 x 2320
LA140900	640 x 900 x 500	1130 x 1200 x 2320
LA1401200	640 x 1200 x 500	1130 x 1500 x 2320

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA150600	640 x 600 x 500	1040 x 900 x 2320
LA150900	640 x 900 x 500	1040 x 1200 x 2320
LA1501200	640 x 1200 x 500	1040 x 1500 x 2320

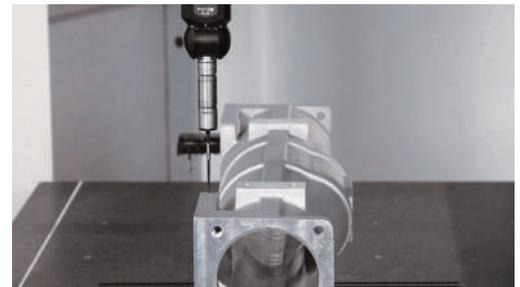
PRICE ON REQUEST



The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.



Horizon is an exceptional machine with fast, smooth and silent movements, ideal for touch-trigger scanning and an initial accuracy of less than two microns.



Linear motors are non-contact and therefore have no wear parts, making them the perfect solution for CMM drives, improving reliability and reducing maintenance.

Horizon

Automatic 3D measuring machine with linear motors

Alpa Trust LS machines represent the pinnacle of technological innovation in the field of three-dimensional measurement. The unique linear motor drive system ensures faster movement and greater measurement accuracy. The new dimensions of the measuring gantry provide excellent versatility whilst maintaining a very compact overall footprint.

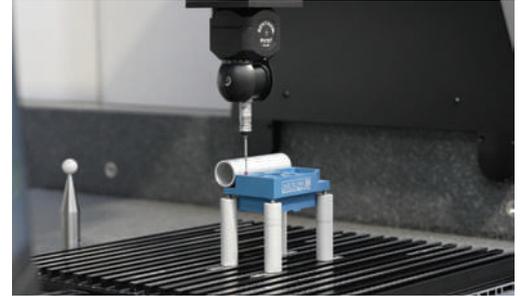
Accuracy μm TP20 (1.8 + L/350).
 Accuracy μm TP200 (1.7 + L/350).
 Accuracy μm SP25M (1.5 + L/350).
 Resolution μm 0.1.
 Optimum Temperature $^{\circ}\text{C}$ 18-22.
 Operating Temperature $^{\circ}\text{C}$ 5-45.
 Granite Tabletop.
 Load Capacity kg 1000.
 Max. Displacement Speed mm/sec 1000.
 Acceleration mm/s^2 1000.
 Compressed Air 7 bar (100 psi) - 100 l/min (3.53 cfm).
 Linear Motor Motion.

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA1551000	800 x 1000 x 600	1403 x 1530 x 2700
LA1551200	1000 x 1200 x 800	1603 x 1830 x 3110
LA1551600	800 x 1600 x 600	1403 x 2130 x 2700
LA1552000	1000 x 2000 x 800	1603 x 2630 x 3160

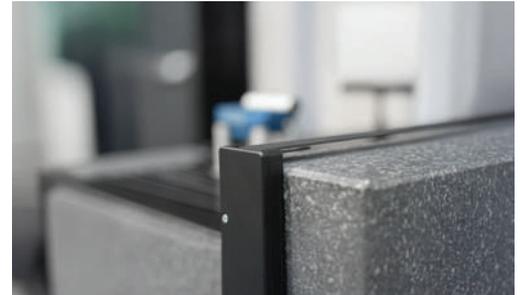
PRICE ON REQUEST



The revolutionary, easy-to-use Aberlink measuring software allows even inexperienced operators to use the machine. The training time is shorter than any similar system: 1 day even for those with no previous experience with CMMs.



The Halo CNC CMM is an exceptional machine with fast and fluid movements, ideal for even large workpieces.



The Halo belt drive system is an evolution of the popular Axiom CMM range. It offers an economical, repeatable and robust drive system suitable for medium-sized measuring tasks.

Halo

Automatic 3D measuring machine

The Halo CNC CMM features the same structural design as our most precise CMM, the Horizon. The Halo is a medium-sized CMM which, unlike the Horizon, uses a belt drive system for the movement of the X-Y-Z axes. It is a machine with fast and smooth movements, ideal for contact scanning with an accuracy better than 1.8 microns! The price is also extremely competitive compared to other international CMM brands, in addition to its unrivalled reliability and durability.

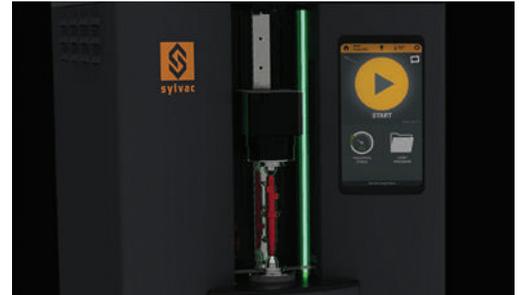
Accuracy μm TP20 (2.1 + 0.4 L/100).
 Accuracy μm TP200 (2.0 + 0.4 L/100).
 Accuracy μm SP25M (1.8 + 0.4 L/100).
 Line resolution μm 01.
 Operating temperature $^{\circ}\text{C}$ 5 - 45.
 Max. travel speed mm/s 1000.
 Acceleration mm/s^2 1000.
 Air consumption l/min - (cfm) 100 - (3.53).
 Pressure bar - (psi) 7 - (100).
 Load capacity kg 1000.
 Movement Belt drive and Brushless motor.

Code P	Axis travel X - Y - Z mm	Dimensions X - Y - Z mm
LA1611000HA	800 x 1000 x 600	1403 x 1530 x 2503
LA1611600HA	800 x 1600 x 600	1403 x 2130 x 2503
LA1611200HA	1000 x 1200 x 800	1603 x 1830 x 2987
LA1612000HA	1000 x 2000 x 800	1603 x 2630 x 3037

PRICE ON REQUEST



The dynamic LED indicator and the intuitive Reflex SCAN+ concept provide real-time feedback on the status of the measured part (GO/NG) and operator messages. No pre-programming is required, just a simple touch-button solution.



The REFLEX-Click mode recognises and analyses components automatically at the push of a button: the software scans the component and chooses the right measuring programme from the database of saved programmes; if no programme is present then it automatically measures all the main dimensions of the part.



It features a precision sliding head with integrated and protected calibration master, as well as a quick and easy accessory exchange system.

SCAN S25

Linear scanning measuring machine

Measuring range: \varnothing 0.2-26 mm. L. 200 mm. Resolution: 0.0001 mm. Accuracy: \varnothing (0.9+D/100) μ m. L. (2.5+L/200) μ m. Repeatability: \varnothing 0.5 μ m. L. 0.8 μ m. Load: 3 kg

Measuring range: \varnothing 0.2-26 mm. L. 200 mm.

Resolution: 0.0001 mm.
Accuracy: \varnothing (0.9+D/100) μ m.
L. (2.5+L/200) μ m.
Repeatability: \varnothing 0.5 μ m.
L. 0.8 μ m.
Load: 3 kg.

Code P	Dimensions X - Y - Z mm	Version
LA870S25	460 x 544 x 590	Without tilting axis
LA870S25T	460 x 544 x 590	Tilting axis

PRICE ON REQUEST



SCAN S65

Dynamic Vertical Optical Measuring Machine

Diameter resolution 0.0001 mm. Length resolution 0.0001 mm. Diameter accuracy $(1 + D[mm])/100 \mu\text{m}$. Length accuracy $(3 + L[mm])/200 \mu\text{m}$. Diameter repeatability $0,5 \mu\text{m}$. Length repeatability $<1 \mu\text{m}$. Axial movement speed up to 160 mm/s. Maximum workpiece weight 60 kg. Machine weight 420 kg. Intuitive operator interface with 8" touchscreen. State-of-the-art optical and imaging technology for static and dynamic measurements. Dynamic LED illumination for clear feedback. Integrated calibration master with temperature sensors. Retractable roof for easy top-loading of heavy components. Rotating spindle for dynamic measurements. Reflex SCAN+ function for instant measurements without programming. Comes complete with PC and software ready for automation

Code P	Model	Max. workpiece Ø mm	Max. piece length mm	Tilting axis
LA875S65	S65	65	350	-
LA875S65T	S65T	65	350	✓

PRICE ON REQUEST



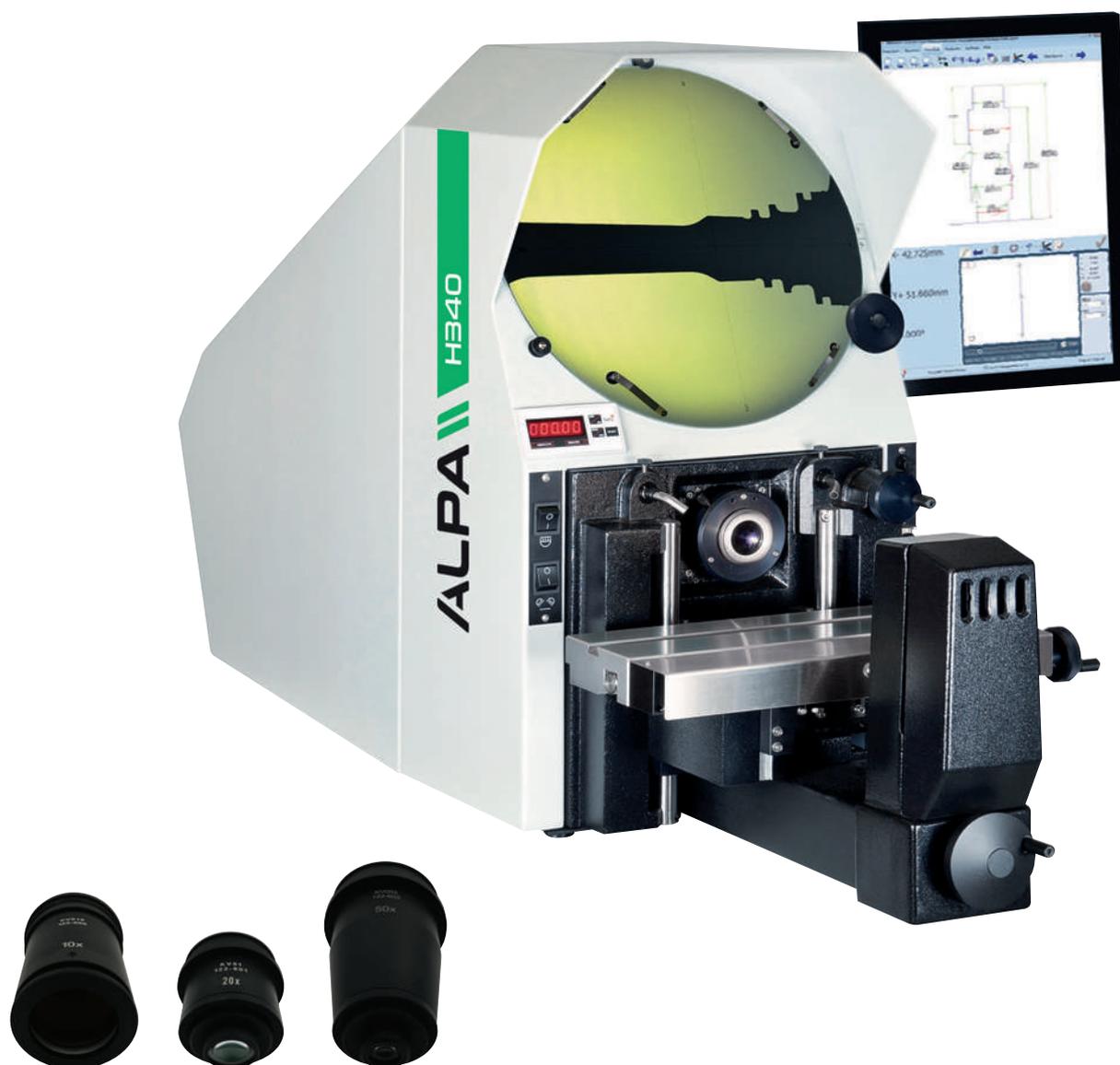
SCAN S145

Optical measuring machine with 3D probe

Diameter resolution 0.0001 mm. Length resolution 0.0001 mm. Diameter accuracy $(1.5 + D/100) \mu\text{m}$. Length accuracy $(4 + L/100) \mu\text{m}$. Diameter repeatability 0.5 μm . Length repeatability 1.0 μm . Clamping capacity up to $\varnothing 145 \text{ mm}$. Axial positioning speed up to 160 mm/s. Rotary axis speed up to 360°/s. Maximum workpiece weight 100 kg. Optional: The Sylvac SCAN S145 with 3D probe is designed for measuring medium to large cylindrical parts. Integration of the Renishaw SP25M probe allows measurement of optically invisible features such as blind holes and slots. Multi-sensor solution combining optical and tactile measurements in one system. Easy programming with intuitive functions and dedicated toolbar for the 3D probe. Full scan for form measurement. Interchangeable styli for better access to parts. Automated probe qualification routine. Typical measurements size and position of holes and slots, roundness, radial and axial eccentricity

Code P	Model	Max. piece length mm	Probe measurement volume mm	kg
LA880S145	S145	615	PX 615 / PY +60 ÷ -40 / PZ +130 ÷ -15	550
LA880S145L	S145L	1230	PX 1230 / PY +60 ÷ -40 / PZ +130 ÷ -15	670
LA880S145XL	S145XL	1800	PX 1230 / PY +60 ÷ -40 / PZ +130 ÷ -15	797

PRICE ON REQUEST



H340

Horizontal profile projector

ALPHA PROFIL H340 è un proiettore orizzontale di profili indicato per l'ispezione di particolari di piccole e medie dimensioni. Grazie all'ampio spazio di lavoro e alla possibilità di escludere la luce diascopica è inoltre consigliato per il controllo episcopico di teste di frese e oggetti lunghi. Obiettivo non incluso.

Versione FT2-E (con visualizzatore LA026FT2)

Sistema di misura integrato con tecnologia touch screen con sensore ottico per acquisizione automatica dei profili. Grazie al software 2D Fusion è possibile effettuare misure in maniera facile e veloce. Le ispezioni sono replicabili automaticamente con gli stessi parametri impostati in precedenza.

Campo di misura mm 175 x 100
 Piano di lavoro mm 325 x 100
 Schermo girevole mm 340
 Carico massimo kg 10
 Risoluzione righe mm 0,0005
 Illuminazione lampade alogene al tungsteno 12V 100W

Code 3	€	Description
LA020FT	14.325,00	Horizontal profile projector
LA026FT2	4.550,00	FT2-E viewer

Code 3	€	Model
LA02510	1.590,00	x 10
LA02520	1.250,00	x 20
LA02550	1.290,00	x 50



Horizontal profile projector

Versatile, precise and easy to use. It features a 3-axis visualiser (x, y, angles) and geometric processor for calculating radii, diameters, angles and centre distances. Clear, sharp images for measuring complex parts.

Measuring range mm 200 x 100
 Working plane mm 400 x 150
 Screen mm 300
 Line resolution 0.5 μ m
 10x objective included

Code 3	€	Description
LA076HP	11.900,00	Horizontal profile projector

Code 3	€	Model
LA07720	720,00	x 10
LA07750	710,00	x 10
LA077100	700,00	x 20



V300

Vertical profile projector

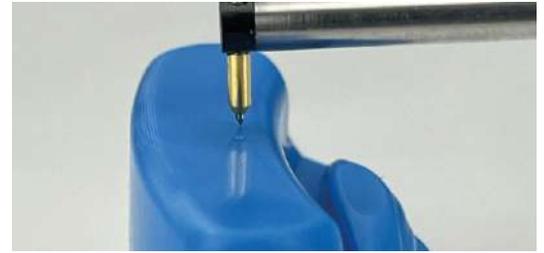
The ALPA PROFIL V300 vertical profile projector is versatile, precise and easy to use. Equipped with a quick handling release, 3-axis display (x, y, angles) and geometric processor for calculating radii, diameters, angles and centre distances. Clear, sharp images for measuring complex parts up to 43 mm in height and 15 kg in weight. Perfect profile and surface illumination by prism and semi-reflective mirror. 10x objective included.

- Measuring range mm 150 x 50
- Work surface mm 340 x 152
- Screen mm 196 x 96
- Image straightened, inverted
- Manual displacement
- Halogen lamp illumination
- Magnification error max. 3.0+L/50
- Accuracy μm 0.5

Code 3	€	Description
LA050VP	7.900,00	Vertical profile projector

Code 3	€	Model
LA05510	600,00	x 10
LA05520	660,00	x 20
LA05550	860,00	x 50
LA055100	810,00	x 100

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



Silicone resin case

This resin creates an extremely precise replica (+/-1µm) of internal or difficult-to-access parts, allowing them to be measured with optical or contact systems. Non-destructive process, no need to section parts. Also suitable for very large parts that are difficult to handle. Also useful for measuring roughness with P80Ra resin and the surface structure of materials with F30Visual. Dimensional stability. Maximum profile hold. Micron accuracy. Form memory. No residue on parts. Low environmental impact

Code 3	€	Description
LA0271ML050	900,00	Complete
LA0271ML040	990,00	Standard

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



Concentricity and roundness test bench

Light-alloy housing. Hardened steel rotors. 3 movable dial indicator holders. Handwheel. Flat belt drive. Supplied with ABS case. Dial indicators to be ordered separately.

Code 1	€	Range mm	Accuracy mm	A x B mm	Weight
CT010100	4.800,00	10 ÷ 100	± 0,002	140 x 350	12
CT01050	3.500,00	1,5 ÷ 50	± 0,002	140 x 350	8,5



Control table

An instrument for comparative measuring of internal and external. Ideal for checking workpieces in series. Light alloy body. Hardened stainless steel top. Interchangeable tips. Internal/external preload. Suitable for measuring workpieces with parallel surfaces cylindrical or conical surfaces (such as shafts, through-holes and blind holes, short shoulders, slots and wall thicknesses). Checks gear diameters and detects roundness, concentricity and coaxiality errors. Supplied with a pair of support brackets, 0.01 mm dial indicator and ABS case.

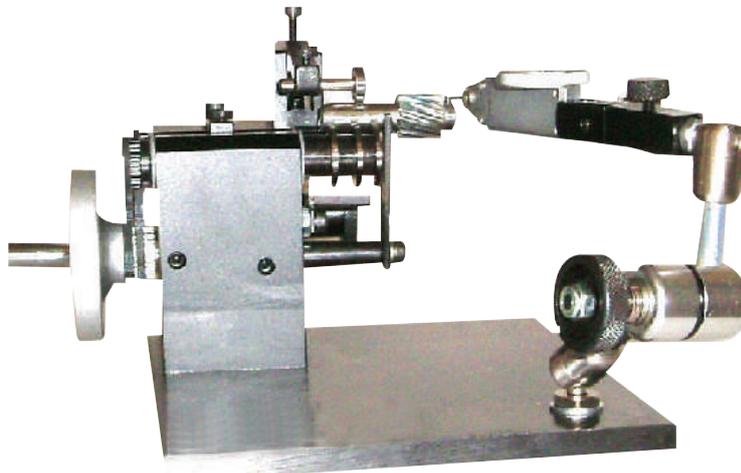
Code 1	€	Range mm	Repeatability mm	A x B mm	Weight
CT020200	2.990,00	0 ÷ 200	± 0,001	255 x 150	6,3
CT020330	4.500,00	0 ÷ 330	± 0,001	406 x 180	7,1



Digital dynamometer

An instrument used to measure weight force, both in tension and compression. Digital models in particular support different scales and are equipped with dedicated software and connection cable to interface with PCs. The areas of use are many, from quality control in basic production to the maintenance of safety equipment such as fire extinguishers and panic bars.

Code 1	€	Capacity N	Resolution N
LA81510	655,00	10	0,01
LA815100	655,00	100	0,1
LA8151000	655,00	1000	1
LA81550	655,00	50	0,01
LA815500	655,00	500	0,1



Measuring benches for checking coaxiality

Coaxiality inspection tools are particularly suitable for measuring individual objects.

An articulated arm with a mount for dial indicators or other measuring instruments can be adjusted to various measuring points. The instrument is mounted on a solid base. The workpiece is rotated smoothly between three rollers with a coaxiality accuracy of 0.002 mm. Object diameters 0.5-25 mm.

Code 1	€	Range mm
70.49401	750,00	1,5 ÷ 25
70.49402	900,00	0,5 ÷ 10

INCLUDING THE COMPARATOR HOLDER

OUR CALIBRATION SERVICE

**UTENSIL
LINE**



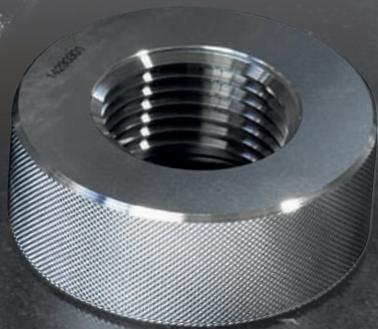
00275

UTENSIL LINE, part of the A+B Group, operates an ACCREDIA-accredited calibration laboratory (No. 00275) specialising in length, torque and hardness measurements. This enables the company to calibrate new measuring instruments or those requiring periodic re-calibration, issuing calibration reports and ACCREDIA calibration certificates.

*PERFORMANCE TESTED
FROM THE VERY
FIRST USE*



*ELIMINATION OF DISPUTES
REGARDING PRODUCTS
PROCESSED*



ALPAIN MEGATONNER
Type GA050400
Serial no 15493401

PRICE LIST FOR CALIBRATION



Laboratorio di Metrologia
UTENSIL LINE Srl
Via Acqui, 65/A
10098 Rivoli (TO) - I

Centro di Taratura
Calibration Centre
Laboratorio di Taratura
Calibration Laboratory



00275

Pag. 1 di 2

Certificato di Taratura Certificate of Calibration

00275LAT 25-A0000

Data di emissione
Date of issue

2025/01/01

Cliente
Customer

Utensil Line s.r.l.
Via Acqui, 65/A - 10098 Rivoli (TO)

Destinatario
Receiver

Idem

Si riferisce a:
Referring to:

Tampone Liscio P/NP

- oggetto

Tamburini

Il presente certificato di taratura è emesso in base all'accreditamento n. 00000 Calibration che attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI) in conformità ai requisiti della norma UNI CEI EN ISO/IEC 17025. L'accreditamento è rilasciato in accordo ai decreti attuativi della legge n. 273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT).

This certificate of calibration is issued in accordance with the accreditation n. 00000

PRICE LIST FOR CALIBRATION



BORE GAUGES - CALIBRATION REPORT

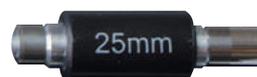
DESCRIPTION	Price €
Single bore gauge	40,00

BORE GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single bore gauge	95,00

N.B. The bore gauge is calibrated in combination with the laboratory reader.
The dial gauge is to be considered separately.



SETTING RODS - CALIBRATION REPORT

DESCRIPTION	Price €
From 0 to 100 mm	20,00
From 125 to 300 mm	42,00
From 301 to 600 mm	75,00
From 601 to 1000 mm	130,00
From 1001 to 2000 mm	250,00
From 2001 to 5000 mm	300,00

SETTING RODS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 0 to 100 mm	50,00
From 125 to 300 mm	90,00
From 301 to 600 mm	125,00
From 601 to 1000 mm	250,00
From 1001 to 2000 mm	300,00
From 2001 to 5000 mm	350,00

ALTIMETERS AND SURFACE GAUGES - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 300 mm	110,00
Up to 600 mm	165,00
Up to 800 mm	205,00
Up to 1000 mm	220,00
Up to 1500 mm	285,00
Master block for exteriors or fork for interiors	70,00
Master for interiors and exteriors	140,00

ALTIMETERS AND SURFACE GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 300 mm	165,00
Up to 600 mm	210,00
Up to 800 mm	290,00
Up to 1000 mm	310,00
Master block for exteriors or fork for interiors	110,00
Master for interiors and exteriors	220,00



RESET RING CALIBRATION REPORT

DESCRIPTION	Price €
From 0.5 to 1.99 mm	90,00
From 2 to 4.99 mm	50,00
From 5 to 50 mm	16,00
Over 50 to 100 mm	26,00
Over 100 to 200 mm	35,00
Over 200 to 300 mm	46,00

RESET RING CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 0.5 to 1.99 mm	130,00
From 2 to 4.99 mm	80,00
From 5 to 50 mm	50,00
Over 50 to 100 mm	55,00
Over 100 to 200 mm	70,00
Over 200 to 300 mm	100,00

GO/NO GO THREADED RINGS CALIBRATION REPORT

DESCRIPTION	Price €
Low to 2 mm	48,00
From 2 to 5 mm	25,00
Over 5 to 50 mm	20,00
Over 50 to 100 mm	32,00
Over 100 to 200 mm	60,00

GO/NO GO THREADED RINGS CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 2 to 5 mm	105,00
Over 5 to 50 mm	65,00
Over 50 to 100 mm	70,00
Over 100 to 200 mm	100,00

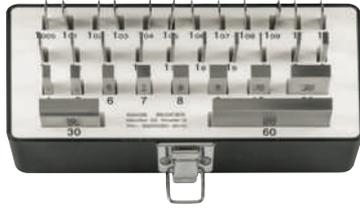
CONICAL THREADED RINGS CALIBRATION REPORT

DESCRIPTION	Price €
1/8" to 1"	40,00

CONICAL THREADED RINGS CALIBRATION CERTIFICATE



DESCRIPTION	Price €
1/8" to 1"	225,00



FLAT-PARALLEL BLOCKS UP TO 100 mm - CALIBRATION REPORT

DESCRIPTION	Price €
Single block	25,00
From 2 to 9 pcs.	18,00
Over 9 pcs.	13,00
Set of 10 pcs.	65,00
Set of 32 pcs.	215,00
Set of 47 pcs.	265,00
Set of 87 pcs.	480,00
Set of 103 pcs.	540,00
Set of 112 pcs.	590,00
Set of 122 pcs.	640,00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

FLAT-PARALLEL BLOCKS UP TO 100 mm - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single block	37,00
From 2 to 9 pcs.	26,00
Over 9 pcs.	20,00
Set of 10 pcs.	80,00
Set of 32 pcs.	260,00
Set of 47 pcs.	370,00
Set of 87 pcs.	650,00
Set of 103 pcs.	750,00
Set of 112 pcs.	800,00
Set of 122 pcs.	850,00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

Measurement of change in length: an additional 4 points at the vertices of the measuring faces



BLOCKS OVER 100 mm LONG - CALIBRATION REPORT

DESCRIPTION	Price €
Single block from 100 to 300 mm	70,00
Single block from 300 to 600 mm	95,00
Single block from 600 to 1000 mm	220,00
Set of 8 blocks from 125 to 600 mm	700,00

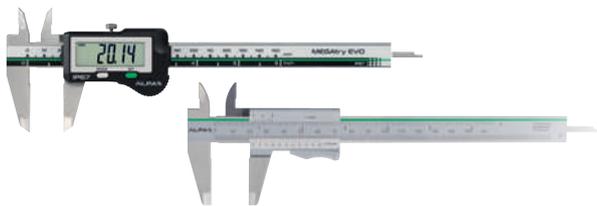
Measurement of deviation at centre: 1 point in the centre of the measuring faces

BLOCKS OVER 100 mm LONG - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single block from 100 to 300 mm	125,00
Single block from 300 to 600 mm	145,00
Single block from 600 to 1000 mm	320,00
Set of 8 blocks from 125 to 600 mm	800,00

Measurement of deviation at centre: 1 point in the centre of the measuring faces



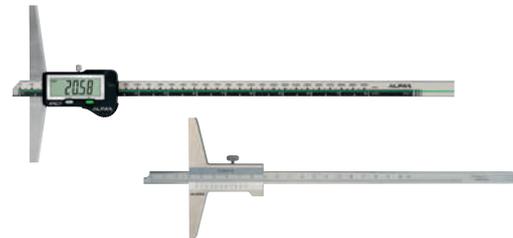
SLIDE CALIPERS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 150 mm	28,00
Up to 200 mm	32,00
Up to 300 mm	48,00
Up to 500 mm	85,00
Up to 800 mm	100,00
Up to 1000 mm	120,00
Up to 2000 mm	180,00
Up to 5000 mm	230,00

SLIDE CALIPERS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 150 mm	60,00
Up to 200 mm	65,00
Up to 300 mm	95,00
Up to 500 mm	115,00
Up to 800 mm	155,00
Up to 1000 mm	190,00
Up to 2000 mm	250,00
Up to 5000 mm	350,00



DEPTH CALIPERS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 150 mm	28,00
Up to 200 mm	32,00
Up to 300 mm	48,00
Up to 500 mm	85,00
Up to 800 mm	100,00
Up to 1000 mm	120,00

DEPTH CALIPERS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 150 mm	60,00
Up to 200 mm	65,00
Up to 300 mm	95,00
Up to 500 mm	115,00
Up to 800 mm	155,00
Up to 1000 mm	190,00

HARDNESS TESTER - CALIBRATION REPORT

DESCRIPTION	Price €
INDIRECT verification for 1 scale	upon request
INDIRECT verification - Scale in addition to the first one	upon request

N.B. The cost for on-site technical assistance is not included.

HARDNESS TESTER - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
DIRECT and/or INDIRECT verification for 1 scale	upon request
DIRECT and/or INDIRECT verification - Scale in addition to the first one	upon request

N.B. The cost for on-site technical assistance is not included.



PORTABLE HARDNESS TESTERS - CALIBRATION REPORT

DESCRIPTION	Price €
Hardness testers for Shore rubber	160,00
LEEB portable rebound hardness testers	150,00
Ultrasonic hardness testers UCI	160,00

PORTABLE HARDNESS TESTERS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Hardness testers for Shore rubber	200,00
LEEB portable rebound hardness testers	250,00
Ultrasonic hardness testers UCI	280,00



DIAL GAUGES - CALIBRATION REPORT

DESCRIPTION	Price €
Travel of up to 12.5 mm	29,00
Travel of up to 30 mm	32,00
Travel of up to 50 mm	40,00
Travel of up to 100 mm	45,00

DIAL GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Travel of up to 12.5 mm	65,00
Travel of up to 30 mm	70,00
Travel of up to 50 mm	80,00
Travel of up to 100 mm	85,00



MICROMETERS FOR EXTERNAL MEASUREMENTS - CALIBRATION REPORT

DESCRIPTION	Price €
From 0 to 25 mm	33,00
From 25 to 50 mm	38,00
From 50 to 75 mm	39,00
From 75 to 100 mm	42,00
From 100 to 200 mm	58,00
From 200 to 300 mm	90,00
From 300 to 400 mm	100,00

The prices shown above refer to the calibration of the micrometers only and do not include any setting rods.

MICROMETERS FOR EXTERNAL MEASUREMENTS CALIBRATION CERTIFICATE



DESCRIZIONE	Price €
From 0 to 25 mm	70,00
From 25 to 50 mm	90,00
From 50 to 75 mm	100,00
From 75 to 100 mm	110,00
From 100 to 200 mm	120,00
From 200 to 300 mm	140,00
From 300 to 600 mm	125,00
From 600 to 1000 mm	250,00

The prices shown above refer to the calibration of the micrometers only and do not include any setting rods.

MICROMETER FOR INTERNAL MEASUREMENTS WITH MODULAR RODS - CALIBRATION REPORT

DESCRIPTION	Price €
Vernier measuring head	48,00
Extension up to 100 mm	22,00
Extension from 110 to 150 mm	28,00
Extension from 200 to 500 mm	33,00

Laser marking for each item: €4.

MICROMETER FOR INTERNAL MEASUREMENTS WITH MODULAR RODS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Vernier measuring head	100,00
Extension up to 100 mm	35,00
Extension from 110 to 150 mm	45,00
Extension from 200 to 500 mm	55,00

Laser marking for each item: €4.



INSPECTION PLATE - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 630 x 400 mm	165,00
Up to 800 x 500 mm	205,00
Up to 1000 x 630 mm	205,00
Up to 1200 x 800 mm	265,00
Up to 1600 x 1000 mm	300,00
Up to 2000 x 1000 mm	360,00

N.B. The cost for on-site technical assistance is not included.



PRISMS - CALIBRATION REPORT

DESCRIPTION	Price €
Parallel prisms in pairs up to 200 mm	180,00

CALIBRATED PINS - CALIBRATION REPORT

DESCRIPTION	Price €
From 1 to 5 pcs.	20,00
From 6 to 19 pcs.	6,00
From 20 to 50 pcs.	4,50
Over 50 pcs.	3,50

CALIBRATED PINS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 1 to 5 pcs.	25,00
From 6 to 19 pcs.	9,00
From 20 to 50 pcs.	6,00
Over 50 pcs.	5,00



COATING THICKNESS METER OR ULTRASONIC METER CALIBRATION REPORT

DESCRIPTION	Price €
Thickness gauge for layers up to 10 mm	125,00
Ultrasonic gauge up to 100 mm	125,00
Thickness sample (single)	25,00
Thickness samples 6 pieces	120,00

with 1 ferrous probe and/or 1 non-ferrous probe

MISURATORE DI RIPORTI O AD ULTRASUONI CERTIFICATO DI TARATURA



DESCRIPTION	Price €
Thickness gauge for layers up to 10 mm	250,00
Ultrasonic gauge up to 100 mm	250,00
Thickness sample (single)	40,00
Thickness samples 6 pieces	190,00

with 1 ferrous probe and/or 1 non-ferrous probe



PRICE LIST FOR CALIBRATION

CONICAL THREADED PLUGS CALIBRATION REPORT

DESCRIPTION	Price €
From 1/16" to 1"	35,00
From 1" -1/8 to 2"	45,00
From 2" -1/8 to 3"	55,00
From 3" -1/8 to 4"	80,00



CONICAL THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
From 1/16" to 4"	215,00



GO/NO GO THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	25,00
Over 50 to 100 mm	35,00
Over 100 to 200 mm	50,00

GO OR NO GO THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	18,00
Over 50 to 100 mm	24,00
Over 100 to 200 mm	37,00

GO/NO GO THREADED PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	65,00
Over 50 to 100 mm	70,00
Over 100 to 200 mm	90,00

GO/NO GO THREADED PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	55,00
Over 50 to 100 mm	60,00
Over 100 to 200 mm	80,00

GO/NO GO LIMIT PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	10,00
Over 50 to 100 mm	19,00
Over 100 to 200 mm	29,00
Over 200 to 300 mm	35,00



GO/NO GO LIMIT PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	55,00
Over 50 to 100 mm	65,00
Over 100 to 200 mm	90,00
Over 200 to 300 mm	105,00

GO OR NO GO LIMIT PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	8,00
Over 50 to 100 mm	13,00
Over 100 to 200 mm	20,00
Over 200 to 300 mm	27,00



GO OR NO GO LIMIT PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	45,00
Over 50 to 100 mm	50,00
Over 100 to 200 mm	55,00
Over 200 to 300 mm	85,00



ALPA 

precision made simple

ALPA s.r.l.

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