

Measuring

Name	Item No.	€ (VAT excl.)
Digital position display DPA 2000	338 4001	480.00
<ul style="list-style-type: none"> ■ Digital triaxial position display which is used for milling machines (X - Y - Z) and lathes (X, Z, Zo) ■ In the event of a power failure, the data is saved in the read-only memory ■ The travels of the top slide and the lathe saddle may be displayed separately and superimposed in a differentiating/compound circuit (Sz) ■ Display steps 0.01/0.005 mm ■ Switching between absolute/incremental dimensions ■ Parameter input ■ Reference mark evaluation ■ Easy operation and trouble-free self-assembly ■ Powerful microprocessor ■ Key pad ■ Optimum price/quality ratio ■ Wall unit supplied as standard ■ Unmounted 		



Digital magnetic measuring system MPA 3 kit		
Includes:		
■ 1 piece compact, digital 3-axis position display for milling machines (X-Y-Z) and for lathes (X, Z, Zo) with metal frame, magnetic stand		
■ 3 pieces measuring tape with sensor MS100/1 (length according to the machine 15 - 80 cm). Display accuracy 0.005 mm, special steel covering, self-adhesive		
■ Contactless - maintenance-free - robust		
■ User-friendly menu guidance		
Suitable for:		
quantum D 210/D250; OPTI D 240	338 3903	799.00
OPTI D 280 x 700 G	338 3905	799.00
quantum BF 16 Vario	338 3911	799.00
OPTI BF 20 Vario	338 3912	799.00
Factory assembly MPA 3 with material	900 0420	580.00



Name	Item No.	€ (VAT excl.)
Measuring gib for DPA 2000		
<ul style="list-style-type: none"> ■ Totally enclosed odometry systems with high-precision glass measuring stick ■ Scanning carriage guided by miniature ball bearings and connected to the mounting base via coupling ■ Rubber sealing lip protects against dust, chips and splash water ■ Flexible insulating metal tube protects 3 or 4 m connecting cable (up to ML 620 - 4 m) 		
■ Unmounted		
ML 80 mm	338 4108	240.00
ML 100 mm	338 4110	240.00
ML 120 mm	338 4112	240.00
ML 170 mm	338 4117	240.00
ML 220 mm	338 4122	250.00
ML 270 mm	338 4127	250.00
ML 320 mm	338 4132	260.00
ML 370 mm	338 4137	280.00
ML 420 mm	338 4142	290.00
ML 470 mm	338 4147	300.00
ML 520 mm	338 4152	330.00
ML 570 mm	338 4157	350.00
ML 620 mm	338 4162	360.00
ML 670 mm	338 4167	360.00
ML 720 mm	338 4172	390.00
ML 770 mm	338 4177	420.00
ML 820 mm	338 4182	450.00
ML 870 mm	338 4187	460.00
ML 920 mm	338 4192	470.00
ML 970 mm	338 4197	495.00
ML 1,020 mm	338 4202	495.00
ML 1,250 mm	338 4225	670.00
ML 1,400 mm	338 4240	795.00
ML 1,520 mm	338 4252	870.00
ML 1,670 mm	338 4267	950.00
ML 1,940 mm	338 4294	1,050.00
ML 2,010 mm	338 4295	1,190.00
ML 3,000 mm	338 4300	1,950.00
Factory assembly (per measuring gib)	900 0410	250.00



Name	Item No.	€ (VAT excl.)
Digital external micrometer	338 5150	79.00
<ul style="list-style-type: none"> ■ Precision 0.002 mm ■ Printer port for DPM 3 (refer to page 43) ■ mm/inch conversion ■ Measuring surfaces made from hard metal ■ LCD display 0 - 25 mm 		



Name	Item No.	€ (VAT excl.)
Digital position display DPM 3	338 5203	259.00
<ul style="list-style-type: none"> ■ Digital triaxial position display which is used for milling machines (X-Y-Z) and lathes (X, Z, Zo) ■ For 3 axes ■ Precision 1/100 mm ■ LED display 107 x 62 mm ■ mm/inch conversion ■ Conversion to half measures ■ Magnet included ■ Automatic switch-off ■ Cable length 2 m ■ Dimensions 190 x 105 x 35 mm ■ For digital caliper gauge ■ Unmounted 		



Dial gauge	338 5090	16.00
<ul style="list-style-type: none"> ■ DIN 878 precision ■ Mat chromium plated metal housing ■ Clamping shank 8 mm ■ Division 0.01 mm ■ Measuring range 10 mm ■ Outer ring with two adjustable tolerance mark ■ Scale turnable with the outer ring for simple zeroing 		

Precision magnetic gauge stand	335 6650	19.00
<ul style="list-style-type: none"> ■ Measuring column \varnothing 12 mm x 181 mm ■ Swivelling/tiltable arm \varnothing 10 mm x 160 mm ■ Base (L x W x H) 50 x 62 x 55 mm ■ Adhesive force 50 kg ■ Dial gauge fixture with location hole for the dial gauge, indicating caliper, electrical longitudinal caliper 		



Figure dial gauge and gauge stand

Name	Item No.	€ (VAT excl.)
Digital caliper gauge with horizontal display (unmounted)		
For DPM 3		
■ MS H o - 100 mm	338 5210	50.00
■ MS H o - 150 mm	338 5215	65.00
■ MS H o - 200 mm	338 5220	70.00
■ MS H o - 300 mm	338 5230	80.00
■ MS H o - 400 mm	338 5240	95.00
■ MS H o - 500 mm	338 5250	150.00
■ MS H o - 600 mm	338 5260	180.00
■ MS H o - 800 mm	338 5280	260.00
■ MS H o - 1,000 mm	338 5300	360.00



Digital caliper gauge with vertical display (unmounted)		
For DPM 3		
■ MS V o - 100 mm	338 5310	65.00
■ MS V o - 150 mm	338 5315	80.00
■ MS V o - 200 mm	338 5320	82.00
■ MS V o - 300 mm	338 5330	95.00
■ MS V o - 400 mm	338 5340	109.00
■ MS V o - 500 mm	338 5350	160.00
■ MS V o - 600 mm	338 5360	195.00
■ MS V o - 800 mm	338 5380	299.00
■ MS V o - 1,000 mm	338 5400	390.00



Surface plate	338 5060	229.00
<ul style="list-style-type: none"> ■ 630 x 400 x 100 mm, 7 μ ■ Resistance to pressure 250-260 N/mm² ■ DIN 876/0 ■ Corrosion-proof ■ Granit ■ Thermally and dynamically stable 		



Battery SR 44 W; 1.55 V	338 5480	2.50
Suitable for:		
■ Digital caliper DS 150 /DS 300		
■ Digital caliper gauge MS V and MS H		
■ Digital height-measuring and scribing instrument		
■ Digital external micrometer		

Measuring

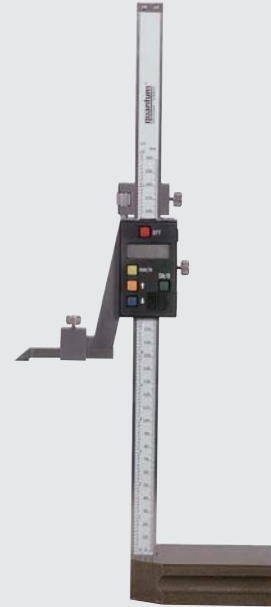
Name	Item No.	€ (VAT excl.)
External micrometer 6 pcs	338 5100	127.00
<ul style="list-style-type: none"> ■ 6 external micrometer from 0 - 150 mm ■ DIN 863 precision ■ Reading 0.01 mm ■ Mat chromium plated dials ■ Measuring spindle Ø 6.35 mm ■ Measuring surfaces made of hard metal ■ Yoke with hand guard ■ Micrometer drum Ø 17 mm ■ Ratchet spanner included ■ Spindle pitch 0.5 mm ■ Above 25 mm with setting gauge ■ Wooden box included ■ Measuring range 0 - 25 mm, 25 - 50 mm, 50 - 75 mm, 75 - 100 mm, 100 - 125 mm, 125 - 150 mm 		



Precision measuring tool kit MS 4	338 5030	39.00
<ul style="list-style-type: none"> ■ 5 pcs ■ Made of special steel ■ Caliper 150 mm x 0.05 mm ■ Bevel edge square DIN 875 / 110 mm x 70 mm ■ Ruler 150 mm ■ Micrometer 0 - 25 x 0.01 mm ■ PVC box 		



Name	Item No.	€ (VAT excl.)
Digital height gauge	338 5050	169.00
<ul style="list-style-type: none"> ■ Measuring range 300 mm ■ Printer port for DPM 3 (see page 43) ■ 5 digits ■ Reading accuracy ± 0.01 mm ■ mm/inch conversion ■ Base 110 x 50 mm ■ Total height 430 mm ■ Net weight 2.1 kg ■ Stainless steel bar ■ HM-coated marking leg 		



Digital caliper		
<ul style="list-style-type: none"> ■ 5-digit LCD display ■ Protected against oil and dirt ■ mm/inch conversion ■ Repeating accuracy ± 0.01 mm ■ Depth gauge ■ Printer port for DPM 3 (see page 43) ■ Reading 0.01 mm ■ Spare battery ■ Plastic protective case 		
■ DS 150	338 5015	33.00
■ DS 300	338 5023	79.00



DS 150

Precision spirit level	338 5064	79.00
<ul style="list-style-type: none"> ■ Prismatic base for aligning horizontal surfaces and shafts ■ Precision 0.02 mm/m ■ Length 200 mm ■ The compact and tension-free installation of the parallel vial ensures constant precision ■ No time-consuming adjusting ■ Cross vial and thermal insulation handle ■ Wooden box included 		

