

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: | | |
| <ul style="list-style-type: none"> ■ 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 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 (until 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 |



| Digital external micrometer | | |
|--|--|--------------|
| 338 5150 | | 79.00 |
| <ul style="list-style-type: none"> ■ Precision 0.002 mm ■ Printer port for DPM 3 (see page 43) ■ mm/inch conversion ■ Measuring surfaces made of 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 ■ Matt 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 ■ Foot (L x W x H) 50 x 62 x 55 mm ■ Adhesive force 50 kg ■ Dial gauge fixture with location hole for dial gauges, 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 ■ Matt chromium plated dials ■ Measuring spindle Ø 6.35 mm ■ Measuring surfaces made from 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 from 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 ■ Foot 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 |



| | | |
|---|----------|--------------|
| 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 | | |

