

# Product information

## Inductive probe Millimar P2010 MB

### Product features

- Models with or without pneumatic lifter or load
- Measuring pin mounted in rotary stroke bearing
- High linearity over the entire measuring range
- Excellent electromagnetic shielding (EMC)
- All probes can be easily converted from axial to radial by mounting a slip on cap, included in the scope of supply
- Chemical resistance data:  
resistant to oil, gasoline, water and aliphatic compounds.  
Moderately resistant to acids, bases, solvents and ozone



Item no.: 5324030

### Technical data

#### Package contains

test certificate, instruction manual, cap for radial cable output, spanner for preliminary stroke setting

|  |  |
|--|--|
| <b>Measuring range from</b>                  | -5                                     |
| <b>Measuring range up to</b>                 | 5                                      |
| <b>Distance of lower stop MAX</b>            | -5.3                                   |
| <b>Distance of upper stop MAX</b>            | 5.3                                    |
| <b>Lifter / retraction</b>                   | Compressed air retraction (max. 1 bar) |
| <b>Measuring force (N)</b>                   | Depending upon air pressure            |
| <b>Sensitivity deviation</b>                 | 0.3                                    |
| <b>Repeatability fw (µm)</b>                 | 0.2                                    |
| <b>Measuring value hysteresis fu (µm)</b>    | 1                                      |
| <b>Linearity deviation within +/- 2,0 mm</b> | 4                                      |
| <b>Linearity deviation within +/- 5,0 mm</b> | 20                                     |
| <b>IP protection category</b>                | IP 64                                  |
| <b>Cable length</b>                          | 2.5                                    |
| <b>Working temperature</b>                   | 20                                     |
| <b>Working temperature MIN</b>               | 10                                     |
| <b>Working temperature MAX</b>               | 40                                     |
| <b>Operating temperature Min</b>             | 10                                     |
| <b>Operating temperature Max</b>             | 40                                     |
| <b>Storage temperature MIN</b>               | -10                                    |
| <b>Storage temperature MAX</b>               | 80                                     |
| <b>Temperature coefficient</b>               | 0.15                                   |
| <b>Compatibility</b>                         | Mahr VLDT                              |

### Dimensions

