

# Product information

## Inductive probe Millimar P2004 U

### 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.: **5323013**



### Technical data

#### Package contains

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

|  |                   |
|--|-------------------|
| <b>Measuring range from</b>                  | -2                |
| <b>Measuring range up to</b>                 | 2                 |
| <b>Distance of lower stop MIN</b>            | -2.2              |
| <b>Distance of lower stop MAX</b>            | 0                 |
| <b>Distance of upper stop MIN</b>            | 2.2               |
| <b>Distance of upper stop MAX</b>            | 4.4               |
| <b>Lifter / retraction</b>                   | Standard model    |
| <b>Measuring force (N)</b>                   | 0,75 N +/- 0,15 N |
| <b>Increase in measuring force</b>           | 0,2 N/mm          |
| <b>Sensitivity deviation</b>                 | 0.3               |
| <b>Repeatability fw (µm)</b>                 | 0.1               |
| <b>Measuring value hysteresis fu (µm)</b>    | 0.5               |
| <b>Linearity deviation within +/- 0,5 mm</b> | 0.4               |
| <b>Linearity deviation within +/- 1,0 mm</b> | 1.5               |
| <b>Linearity deviation within +/- 2,0 mm</b> | 3                 |
| <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>                         | Marposs           |

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### Dimensions

