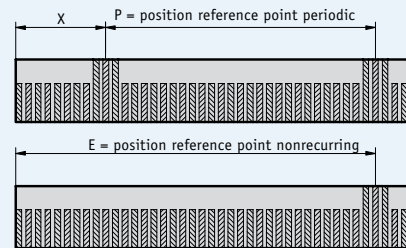
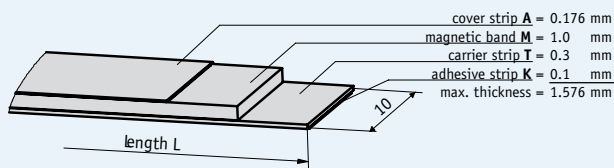


Magnetic Band MB200

Incrementally coded scale, 2 mm pole length

Profile

- Easy adhesive mounting, self-assembly possible
- Pole length 2 mm
- System accuracy up to 20 μm



Reference points (all details in m)

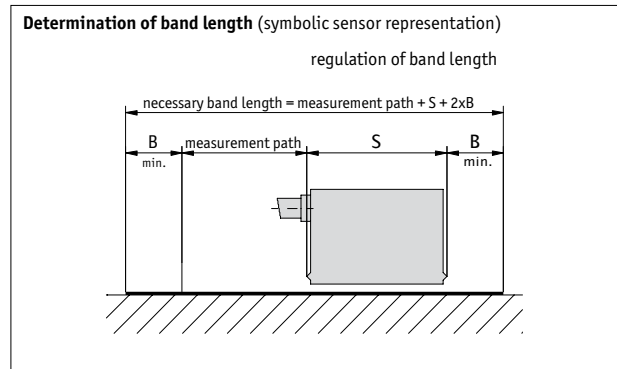
| | |
|---|---------------------|
| X | 0.05 |
| P | 0.2, 0.5 |
| E | 0.05, 0.1, 0.2, 0.5 |

Mechanical data

| Feature | Technical data | Additional information |
|-------------------------|--------------------------------------|---|
| Pole length | 2 mm | |
| Measuring length | infinite | |
| Band width | 10 mm | |
| Thickness | 1.4 mm | without cover strip |
| Accuracy class | 50 μm | |
| Temperature coefficient | $(11 \pm 1) \times 10^{-6}/\text{K}$ | spring steel |
| Operating temperature | -20 ... +70 °C | |
| Storage temperature | -40 ... +70 °C | |
| Humidity | 100 % rh | condensation permitted |
| Mounting type | glued joint | pre-assembled double-sided adhesive strip |
| Cover strip material | stainless steel | |

Order

The necessary band length is calculated as follows:
Measured path + sensor length "S" + (2 x lead-in and lead-out "B"). Sensor length "S" refer to the drawing of the employed sensor, lead-in and lead-out "B" = 10 mm.



■ **Order table**

| Feature | Order data | Specifications | Additional information |
|--|------------|--|---|
| Length of magnetic band | ... A | 0.1 ... 90 m, in steps of 0.1 m | Order information, see "Determination of band length" |
| Adhesive carrier strip | TM B | with | |
| | TO B | without | |
| Cover strip | AM C | with | stainless steel |
| | AO C | without | |
| Reference point | O D | without | |
| | E D | one-time | |
| | P D | periodic | |
| Position of reference point E one-time | ... E | 0.05, 0.1, 0.2, 0.5 others on request | indicate only if reference point E was selected max. 5.0 m |
| or Position of reference point P periodic | ... E | 0.2, 0.5 others on request | indicate only if reference point P was selected |

■ **Order code**



Scope of delivery: MB200, User information

Accessories:

- Profile rail PS Page 182
- Protective strip SB Page 183
- Cover rail PS1 Page 181

Additional information:

- Short Description, Technical Details Page 46 cont.
- Product Overview Page 4 cont.