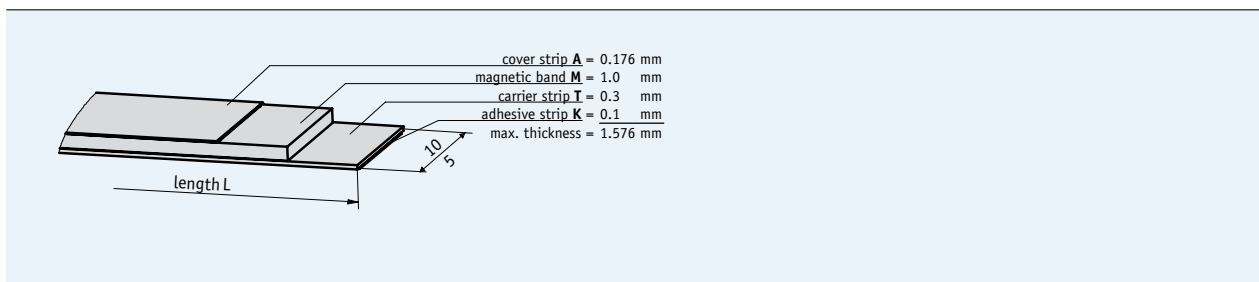


Magnetic Band MB400

Incrementally coded scale, 4 mm pole length

Profile

- Easy adhesive mounting, self-assembly possible
- Pole length 4 mm
- System accuracy up to 1 mm



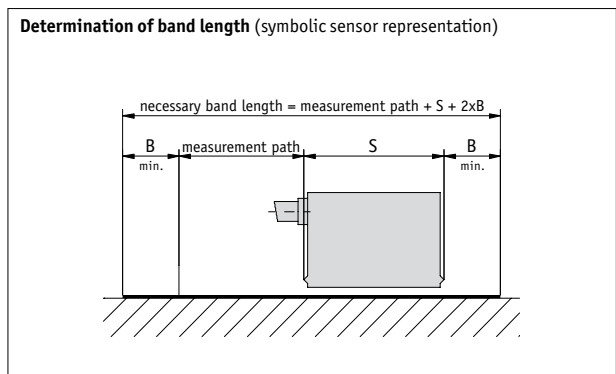
5.3

Mechanical data

| Feature | Technical data | Additional information |
|-------------------------|--|---|
| Pole length | 4 mm | |
| Measuring length | infinite | |
| Band width | 10 mm | |
| | 5 mm | |
| Thickness | 1.4 mm | without cover strip |
| Temperature coefficient | $(11 \pm 1) \times 10^{-6}/K$ $(16 \pm 1) \times 10^{-6}/K$ | spring steel stainless 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" = 50 mm.



■ **Order table**

| Feature | Order data | Specifications | Additional information |
|-------------------------|------------|-----------------------------------|---|
| Width | 10 | A band width in mm | |
| | 5 | B band width in mm | |
| Carrier strip material | St | B spring steel | |
| | VA | B stainless steel | |
| Length of magnetic band | ... | C 0.1 ... 90 m, in steps of 0.1 m | Order information, see "Determination of band length" |
| Adhesive carrier strip | TM | D with | |
| | TO | D without | |
| Cover strip | AM | E with | |
| | AO | E without | |

5.3

■ **Order code**

MB400 - - - - -

Scope of delivery: MB400, User information

Accessories:

- Profile rail PS Page 178
- Protective strip SB Page 179
- Cover rail PS1 Page 177

Additional information:

- Short Description, Technical Details Page 112 cont.
- Product Overview Page 4 cont.