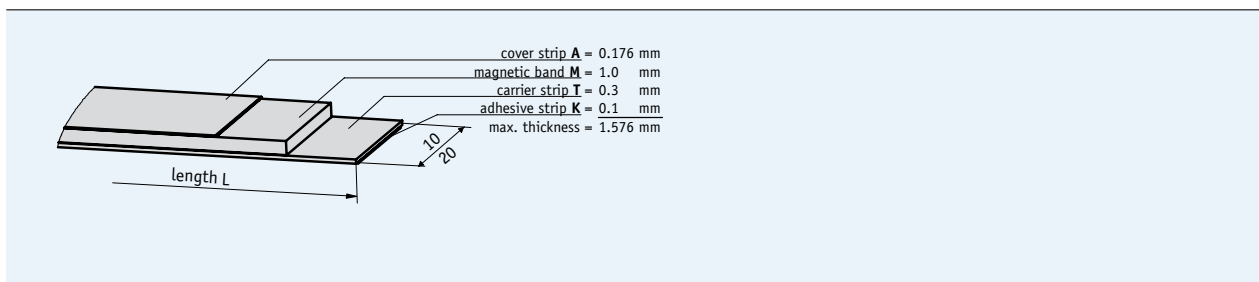


Magnetic Band MB2000

Incrementally coded scale, pole length 20 mm

Profile

- Easy adhesive mounting, self-assembly possible
- Pole length 20 mm
- System accuracy up to 1 mm



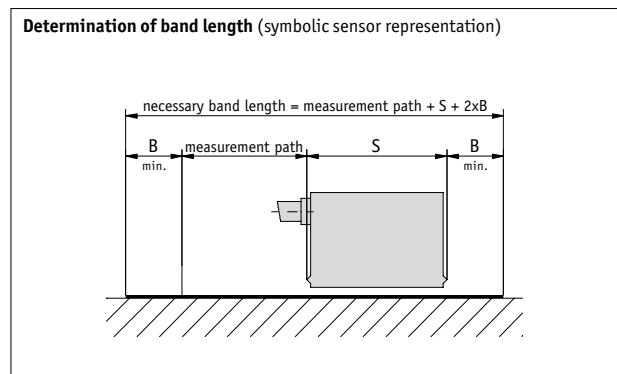
5.3

Mechanical data

Feature	Technical data	Additional information
Pole length	20 mm	
Measuring length	infinite	
Band width	10 mm 20 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	
	20	A band width in mm	
Carrier strip material	St	B spring steel	
	VA	B stainless steel	
	TBO	B without steel carrier strip	
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	only possible with carrier strip material "St" or "VA"
	TO	D without	
Cover strip	AM	E with	
	AO	E without	

Order code

MB2000 - - - - -

Scope of delivery: MB2000, User information

Accessories:

Profile rail PS (only with 10 mm band width) Page 178
 Protective strip SB (only with 10 mm band width) Page 179
 Cover rail PS1 (only with 10 mm band width) Page 177

Additional information:

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