

Magnetic tape scale with incremental coding, 5 mm pole length

Item description/product images



Description

Material:

Magnetic tape, magnetised plastic sheet.
Carrier band steel.
Cover band stainless steel.

Version:

Scale with incremented coding.
Pole length 5 mm.

Note:

Simple adhesive mounting; self-assembly possible.
Required tape length calculated from:
measuring path + sensor length "L" + (2 x run or return "B").
L = see drawing of sensor used.
B = 10 mm (run and return).

Technical data:

- Coefficient of expansion $(11 \pm 1) \times 10^{-6}/K$ (spring steel)

Temperature range:

- Ambient temperature -20–70°C
- Storage temperature -40–70°C

Assembly:

Installation using the pre-affixed double-sided adhesive tape must be carried out according to the enclosed user information.

On request:

Other lengths from 0.1–100 m, in increments of 0.1 m.

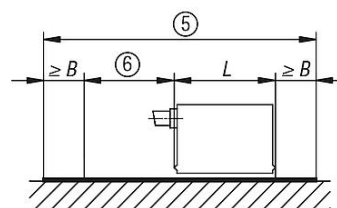
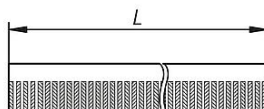
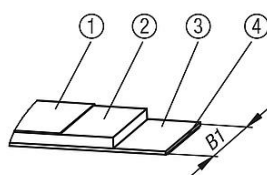
Note:

Relative humidity 100%. Dewing is permissible.

Drawing reference:

- 1) Cover band A = 0.176 mm
- 2) Magnetic tape M = 1.0 mm
- 3) Carrier band T = 0.3 mm
- 4) Adhesive tape K = 0.1 mm
- 5) Required tape length = measuring path + L + 2 x B
- 6) Measuring path

Drawings



Overview of items

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Order No.	B1	L	Precision mm
K1663.010X1000	10	1000	0,1
K1663.010X2000	10	2000	0,1
K1663.010X3000	10	3000	0,1
K1663.010X4000	10	4000	0,1
K1663.010X5000	10	5000	0,1
K1663.010X6000	10	6000	0,1
K1663.010X7000	10	7000	0,1
K1663.010X8000	10	8000	0,1
K1663.010X9000	10	9000	0,1
K1663.010X10000	10	10000	0,1