

Linear Magnetic Scale LMS-I2.54-W10-A40



Magnetic tape

Carrier: (H = 0.3 mm); Total height: 1.3 mm

Width: 10 mm

Single pole length: 2.54 mm

Accuracy class: $\pm 40 \mu\text{m/m}$

Maximum amount on one reel: 50 m

Delivery with intermediate layer to preserve the accuracy class

Print: standard

Technical characteristics

- Magnetic Linear Scale
- Elastomer-bonded ferrite on stainless steel carrier
- 2.54 mm pole pitch
- For incremental Position measuring
- Medium accuracy

Benefits

- Non-contact, quick position measurement
- 100% quality checked
- Wearless
- Resistant to dust, cooling lubricant emulsion, oil, etc.
- Wide scale for big y tolerance
- On request with quality protocol

Tape Specifications

Accuracy class	± 40 µm/m
Material	Elastomer on steel tape
Width	10 mm
Thickness	1.3 mm
Length	freely adjustable
Magnetic pole pitch	2.54 mm
Working temperature	- 20°C... + 80°C max.
Expansion coefficient	~ 17 x 10 ⁻⁶ /K
Bending radius (reverseable)	Minimum 65 mm
Marking	BOGEN standard print
Maximum tape length on one roll	25 m

Structure



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<https://www.bogen-electronic.com/en/magnetic-measurement-solutions/magnetic-scales/incremental/linear/00050329.html>

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