

MAGNA



IP67 Magnetic Linear Measuring System



Magnetic Tape

Magnetic Reader Head



MAGNA S1

MAGNA S2

RATED TO IP67

These contactless high-speed measurement systems are simple to install and highly resistant to oil, dust, dirt and vibration, making them ideally suitable for use under harshest of conditions.

MAGNA Magnetic Measuring System

Thickness:	1,65mm with Protective cover 1,55mm without Protective cover	
Width:	10mm +/- 0,1mm	
Maximum Length:	20m Standard, Optional upto 30m	
Reference Mark:	Every 50mm, Optional as per request	
Material:	Extruded plastic with Barium Ferrite on Stainless Steel	
Weight:	70 gms. per meter including Protective Cover	



MAGNA Magnetic Reader Head

Maximum Speed:	10m/second	
Maximum Cable Length:	20m	
Cable Bending Radius:	min. 60mm	
Output Signal:	RS422 (TTL) 0/P	

Reader Head	Resolution	Repeatability	Accuracy	Max. Cable Length	Max. Gap between Reader Head and Tape
EMR-A	1 Micron	+/-1 Micron	+/-10 Micron	2 Meter	0,2 +/- 0,1 mm
Pole Pitch 1mm	5 Micron	+/-5 Micron	+/-10 Micron	20 Meter	0,2 +/- 0,1 mm
EMR-B	5 Micron	+/-5 Micron	+/-15 Micron	20 Meter	0,5 +/- 0,2 mm
Pole Pitch 2mm	10Micron	+/-10 Micron	+/-20 Micron	20 Meter	0,5 +/- 0,2 mm
EMR-C	50Micron	+/-50 Micron	+/-100 Micron	20 Meter	0,5 +/- 0,2 mm
Pole Pitch 2.5mm	100Micron	+/-100 Micron	+/-200 Micron	20 Meter	0,5 +/- 0,2 mm

MAGNA S1 and S2 Magnetic Measuring system

Magnetic measuring system in Aluminium housing, is available in two enclosure versions:

- Version S1** up-to 1m length
- Version S2** up-to 3m length (up-to 30m Modular form)

Magnetic housing length can be easily cut to required installation length.
S2 Modular tape enclosure up-to 30m or as per required length.
Special fixtures and spacers are available as an accessory for easier installation.

Scale length available as per required length.
Thermal co-efficient of expansion 11×10^{-6} / Celsius
Stainless steel protection (bottom side) with special double sided tape
Protective strip which fits in housing is supplied separately and serves as protection for the tape.

MAGNA Magnetic Guided Measuring System

Magnetic tape version mounted on Aluminium Housing S2. Measuring head is mounted on this Aluminium housing.
This measuring head does not need alignment and is ready to mount on machine.
Special fixtures are available as an accessory for easier installation.



Milling Machine



Lathe Machine

Magna Reader Head



MAGNA

IP67 Encoder Series

IP67 Magnetic Linear Measuring System

Expect more. Explore more...



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