

MG232 MAGNA










IP67 Enclosed Linear Measuring System

The MG232 MAGNA enclosed high-speed linear encoders offer ease of installation and unsurpassed robustness to oil, dust and coolants. Ideally suited for shop floor and dirty environments they can be used as a direct alternative to linear optical encoders.



RATED TO
IP67



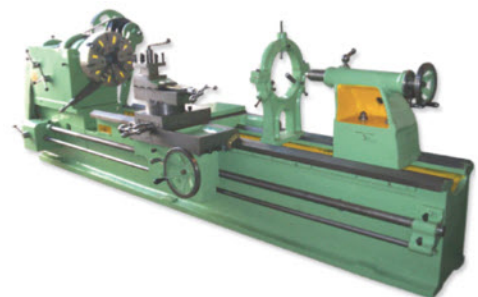
-  Available in Industry accepted IP67 Protection class
-  Combines the ease of mounting of Optical encoders with the robustness of Magnetic measuring systems
-  Custom reference mark available on request
-  Available in 1 μm and 5 μm Resolutions
-  Available in lengths up-to 2040 mm
-  Scale cover included as standard
-  Suitable for High speed applications
-   Compliant



Milling Machine



Grinding Machine



Lathe Machine

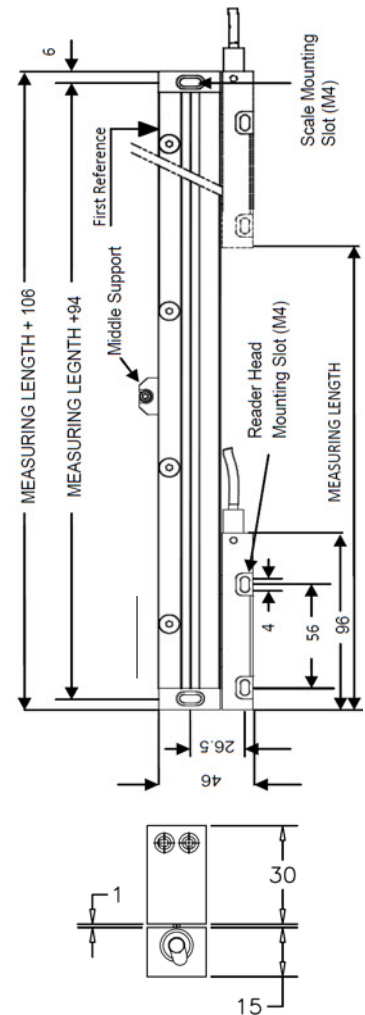


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Technical Specifications

Resolution	1µm 5µm
Accuracy	± 10µm
Repeat Accuracy	± 1 Count
Measuring Lengths	120, 170, 220, 270, 320, 370, 420, 470, 520, 620, 720, 820, 920, 1020, 1120, 1240, 1340, 1440, 1540, 1640, 1740, 1840, 1940, 2040mm
Output Signal	Differential Line driver as per EIA RS422 standards
Reference Mark	Every 50mm Custom option available on request
Cable Type	With double locking Stainless Steel protective armor Non-armored option available
Operating Temperature	0°C to 50°C
Storage Temperature	- 20°C to 70°C
Relative Humidity	20% to 80% Non-condensing
Measurement Speed	2 MHz (10m/s @ 5µm resolution) (2m/s @ 1µm resolution)
Protection Class	IP-67



Pin Connections

RS422 Armoured Cable

Pin	1	2	3	4	5	6	7	8	9
Signal	+ Z	- Z	VCC	Shield	GND	+ A	- A	- B	+ B
Colour	Grey	Brown	Black	Violet	White	Pink	Red	Green	Yellow

RS422 Non-armoured Cable

Pin	1	2	3	4	5	6	7	8	9
Signal	+ Z	- Z	VCC	Shield	GND	+ A	- A	- B	+ B
Colour	Brown	Black	White	Violet	Blue	Red	Orange	Green	Yellow



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