



GS232 Optical Encoder

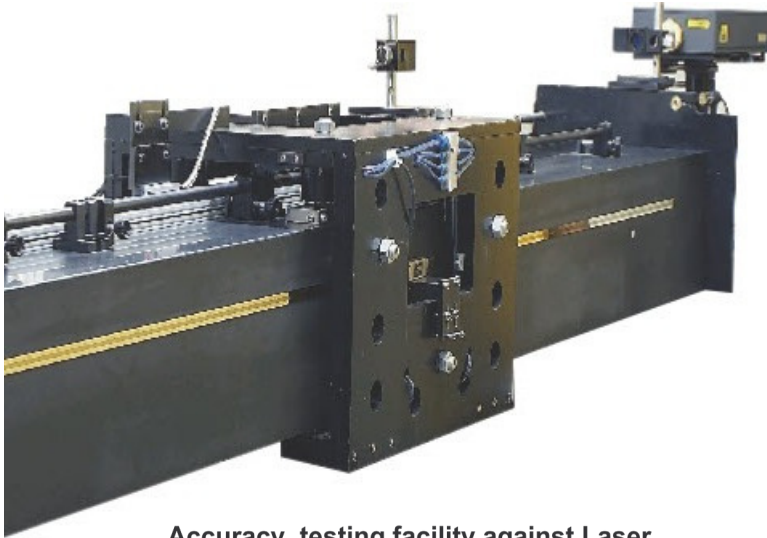
Optical Linear Measuring System

Our latest optical encoder GS232 launched recently is designed with a special opto-ASIC which gives best performance of resolution and accuracy still operating in some of the harshest environments possible without compromising the quality of the output signal.


The non contact sensor technology makes it more suitable for CNC and automation applications as well as conventional machine tool applications.



**RATED TO
IP54**



Accuracy testing facility against Laser

- Available in RS422 digital output
- Rated to **RATED TO IP54** Protection class
- Resolution available upto 0.1µm
- Ideal for CNC applications
- Backlash bearing less operation
- Non contact sensor technology gives best performance and longer life
- CE And  Compliant



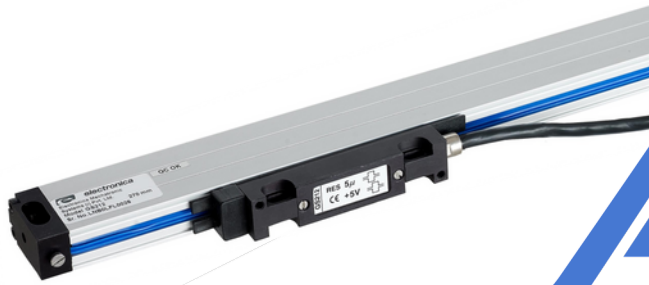
CNC Machine



Profile Projector



Grinding Machine

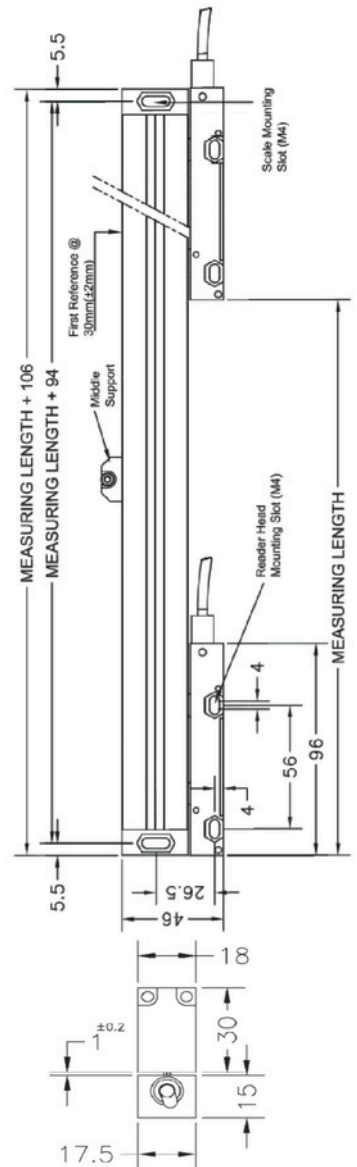


GS232

IP54 Optical Encoder System

Specifications

Resolution	0.1 / 0.5 / 1 / 5 / 10 μm
Grating Pitch	204.8 μm
Accuracy Class	$\pm 5\mu\text{m}$
Resolution	± 1 Resolution Count
Measuring Lengths (mm)	70, 120, 170, 220, 270, 320, 370, 420, 470, 520, 620 720, 770, 820, 920, 1020
Current Consumption	Typ. 100mA (250mA max)
Power Supply	+ 5 VDC ($\pm 5\%$)
Output Signal	RS422
Reference Mark	Single reference mark (Position optional)
Operating Temperature	10°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	20% to 80% Non-condensing
Standard Cable Length	3 meter Std. armoured or non-armoured Other lengths optional on request
Max. Cable Length	20 meters
Measurement Speed	2 m/s at 1 μm and above resolutions 0.5 m/s below 1 μm resolutions
Protection Class	IP54
Connector Options Available	



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Dealer Stamp