

Special long length (3m-30m) linear scales TGM190:

Model name	Special long lengths linear encoder TGM 190
Model picture	
Output signals	SI = 11mApp, SV = 1Vpp DS=square wave differential RS422A
Engraving pitch	40mm
Resolution	Available: 1mm, 2mm, 5mm, 10mm
Accuracy (at 20°C/68°F)	±10 mm
Light source	IR LED
Photo detector	Solar Cell
Cross section	50x58.5 mm (85 mm)
Measuring length [mm]	Single Section Housing: 440, 640, 840, 1040, 1240, 1440, 1640, 1840, 2040, 2240, 2440, 2640, 2840, 3040, 3240, 3440 Multi Section Housing: 3640, 3840 ... 29840, 30040
Reference Mark	Optionally each 100 mm selectable by magnet selector or Distance coded: Passing two adjacent reference marks that are max. 80 mm apart from each other reproduces absolute position.
Operating temperature	0 °C to +50°C, (32°F to 122°F)
Storage temperature	-30°C to +70°C, (-22°F to 158°F)
Humidity range	30% to 90% (no condensation)
Protective design grade (class)	Normal: IP53; with Air Purge: IP64
Atmosphere	Corrosive gas should not be contained in the atmosphere
Vibration resistance (max vibration)	100 m/s ²
Shock resistance (max shock)	100 m/s ²
Max. Response speed	120 m/min
Power supply	+5 V ± 5%
Power consumption	130 mA max
Cable length:	3m standard, SI: up to 20m 50m DS: DO: up to SV: up to 150m