

Special self guided linear scales:

	Special self guided linear encoder for press brakes
Model Name	TGM 179
Model picture	
Output signals	SI = 11mApp, SV = 1Vpp DS=square wave differential RS422A
Engraving pitch	20mm or 40mm
Resolution	Available: 0.5mm, 1mm, 2mm, 5mm, 10mm
Accuracy (at 20°C/68°F)	±3 mm, ±5 mm, ±10 mm
Light source	IR LED
Photo detector	Solar Cell
Cross section	55.2 x 51.5 mm (182 mm)
Measuring length [mm]	70,120,170,220,270,320, 370, 420, 470, 520, 570, 620, 670, 720, 770, 820, 920,
Reference Mark	Reference Marks: Optionally each 50 mm or Distance coded: Passing two adjacent reference marks that are max. 20 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)	30 m/s ²
Shock resistance (max shock)	100 m/s ²
Max. Response speed	60 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