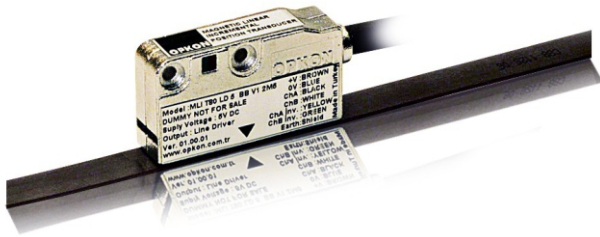


Linear Magnetic Incremental Encoder**MLI***Sense the motion*

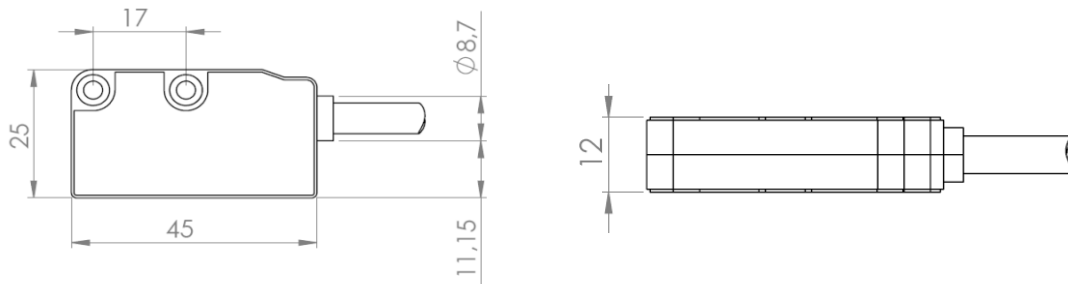
10, 20, 40, 50, 80, 100 micron resolutions;
 Magnetic contactless system;
 Up to 20 meter measurement;
 Totempole (Pushpull), TTL Linedriver or HTL Linedriver
 output options;
 Up to 2 mm sensing distance;

Main Applications

Marble / Stone Machineries, Wood Processing Machineries, Long Length Measurement and
 General Automation Applications

Specifications

Type of measurement	Magnetic incremental contactless
Measurement strokes	20.000mm Max.
Resolution	0.02mm (20 micron), 0.05mm (50 micron), 0.08mm (80 micron), 0.1mm (100 micron)
Accuracy	± 0.04mm (±40 micron)
Output signals	A, B - AA', BB'
Output signal type	TTL, Totempole (Push-Pull), LD or HLD
Supply voltage	8-24 VDC (Standard), 5 VDC (Optional), or 5-30V DC (Optional)
Magnet width	10mm
Magnet thickness	1.5mm (Including steel base material + steel protector)
Sensing distance	For 2 mm magnet 1mm max. (for 5mm magnet max 2.5mm)
Case material	Anodized aluminium
Max. speed	3 m/s
Working temperature	-20 °C + 80 °C
Protection	IP 66
Electrical connection	2,5m Cable (Standard) (25m Cable max.) or Connector (Optional)

**Totempole cable configuration**

Ch A : Black
 Ch B : White
 +V DC: Brown
 GND : Blue
 NC : Red
 Earth : Shield

Linedriver cable configuration

Ch A : Black
 Ch A' : Yellow
 Ch B : White
 Ch B' : Green
 +V DC : Brown
 GND : Blue
 Earth : Shield

Ordering Procedure

MLI	T80	TP	5	B	V2	2,5m
<i>Model</i>	<i>Resolution</i>	<i>Output type</i>	<i>Magnetic pole pitch</i>	<i>Output signal</i>	<i>Supply voltage</i>	<i>Connection</i>
	20 micron 40 micron 50 micron 80 micron 100 micron	TP = Totempole LD: Line Driver HLD: High Line Driver	2mm 5mm	B: A and B BB: AA', BB'	V1: 5V DC (for LD) V2: 8-24V DC (for TP) V3: 5-30V DC (for HLD)	2M5: 2,5m Standard or 9K: 0,5 meter cable with 9 pin connector

