

Magnetic Linear Incremental Encoder

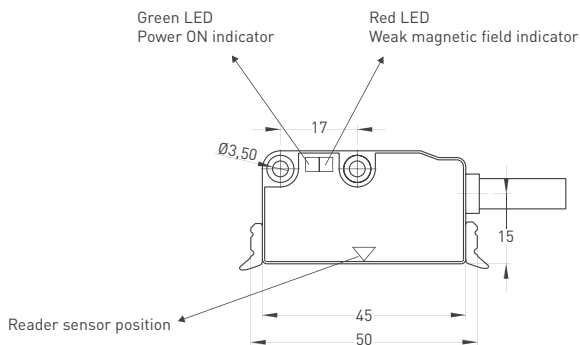
- 2,5 / 5 / 10 / 12,5 / 20 / 25 µm resolution as standard
- Magnetic contactless measurement
- Push-Pull, TTL or Linedriver, High Linedriver output options
- Single reference standard or continuous reference optional
- Weak magnetic field and power on LEDs
- IP 66 protection
- LED status indicator



Technical specifications

Pole pitch	2 to 5 mm
Gap between reader head and tape (max.)	B5 : 2.5 mm, B2 : 1 mm
Resolution	2,5 / 5 / 10 / 12,5 / 20 / 25 µm resolution (4x mode)
Type of measurement	Magnetic incremental non-contact
Accuracy	±15 µm
Output type	Push-Pull, TTL Linedriver, HTL Linedriver
Supply voltage	8-24 VDC (standard), 5 VDC (optional)
Electrical connections	2,5 m cable (standard), 1 m cable with DB9 connector
Case material	Anodized aluminium
Max. speed	3 m/s with LED indicator (standard) 15 m/s without LED indicator (optional)
IP degree	IP 66
Operating temperature	-20°C ... +80°C
Storage temperature	Up to -30 VDC

Mechanical specifications



Linedriver - High Linedriver Cable Output (LD-HLD)

Ch A : Black
 Ch A inv : Yellow
 Ch B : White
 Ch B inv : Green
 Ch Z : Orange
 Ch Z inv : Red
 +V : Brown
 0V : Blue
 GND : Shield

Push-Pull - TTL Cable Output (LTP-TT)

Ch A : Black
 Ch B : White
 Ch Z : Orange
 +V : Brown
 0V : Blue
 GND : Shield

Model	Resolution	Output type	Pole pitch	Output channels	Supply voltage	Connector / Cable
[example] MLI	T20 (4x mode)	LTP	5	B	V2	1M
MLI	T10 : 2,5 µm T20 : 5 µm T40 : 10 µm T50 : 12,5 µm T80 : 20 µm T100 : 25 µm	TT : TTL LD : Linedriver LTP : Push Pull HLD : High Linedriver	5 : 5 mm pole pitch	B : A,B 5Z : A,B,Z, (Continues reference)	V1: 5 VDC V2: 8 - 24 VDC	1M : 1 meter cable 2M5 : 2,5 meter cable 9C : 0,5 meter cable with 9 pin connector