

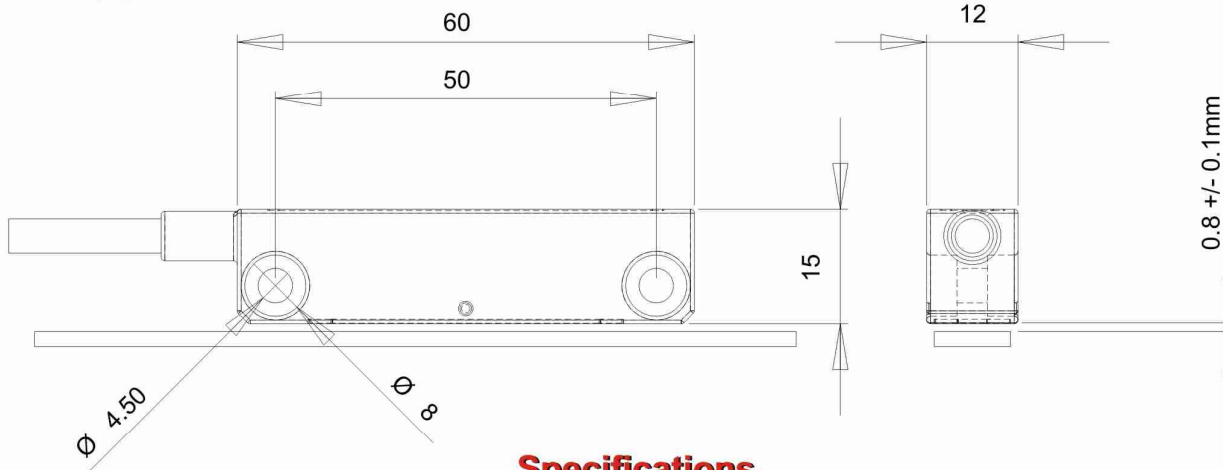
Magnetic Encoder ReadHead ME-6012

Magnetic Scale Position Sensor (Readhead)

Features :

Contactless measuring sensor unit with integrated digital signal output. In combination with MT series Magnetic Tape Scales, the ME series Magnetic Readheads forms an open, robust linear measuring system.

- ▶ Easy Mounting.
- ▶ Robust metal enclosure.
- ▶ Protection class IP67
- ▶ Insensitive to dust, humidity, shavings.
- ▶ No contact, no wear.
- ▶ High Velocity
- ▶ Incremental RS.422 encoder output.



Specifications

Excitation Voltage	5VDC +/- 5%							
Excitation Current	50 to 300mA, depending on cable length, pulse frequency and load							
Output	Incremental Encoder Output Phase A & B with TTL / RS 422 compatibility							
Magnetic Readhead Period	2mm				5mm			
Linearity (sensor with Magnetic Tape MT10)	15um +/- 40um				30um +/- 40um			
Repeatability	+/- 1 count				+/- 1 count			
Resolution with ext. times 4 counting Mode (um)	5	10	20	50	10	25	50	125
Maximum Velocity with fp=50KHz (m / s) (with fp=20KHz x 0.4 & fp= 10KHz x 0.2)	0.80	1.60	3.20	8.00	1.60	4.00	8.00	20.00
Maximum Pulse frequency	50KHz, 20KHz, 10KHz (standard 50KHz)							
Material Of enclosure	Aluminum Alloy die casting							
Weight (w/o cable & connector)								
Protection Class (EN60529)	IP67							
Storage Temperature	-20 to 85 degree C							
Operating temperature	0 to 50 degree C							
Electrical connection	Cable 9 wire, dia 6mm, open end cable, 9 pin D-sub connector as option							

ORDERING CODE

