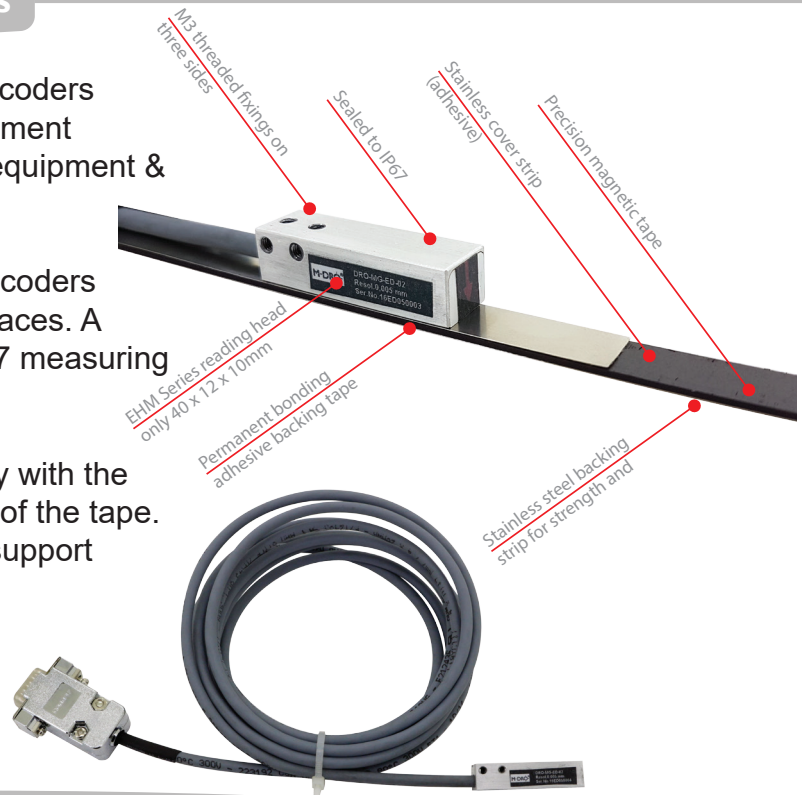


EHM Series Mini Magnetic Encoders

The M-DRO EHM Series Mini magnetic encoders suitable for a wide range of linear measurement applications on machine tools, inspection equipment & custom machinery.

The very small profile size makes these encoders ideal for restricted and limited mounting spaces. A non-contact, robust and fully sealed to IP67 measuring solution.

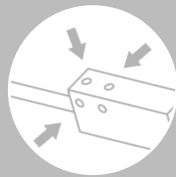
The magnetic tape can be mounted directly with the self adhesive backing pre-fitted to the rear of the tape. Additional mounting hardware, spars and support profiles are also available.



FOR MORE INFORMATION PLEASE VISIT:
WWW.MACHINE-DRO.CO.UK



Self Adhesive
Magnetic Tape
and Stainless
Steel Cover Strip



Threaded Fixings
on 3 Sides of
Reading Head



Tape Mounting
Spar and Support
Profiles Available



IP67 Sealed
Reading
Head



Cut to Length
Magnetic Tape

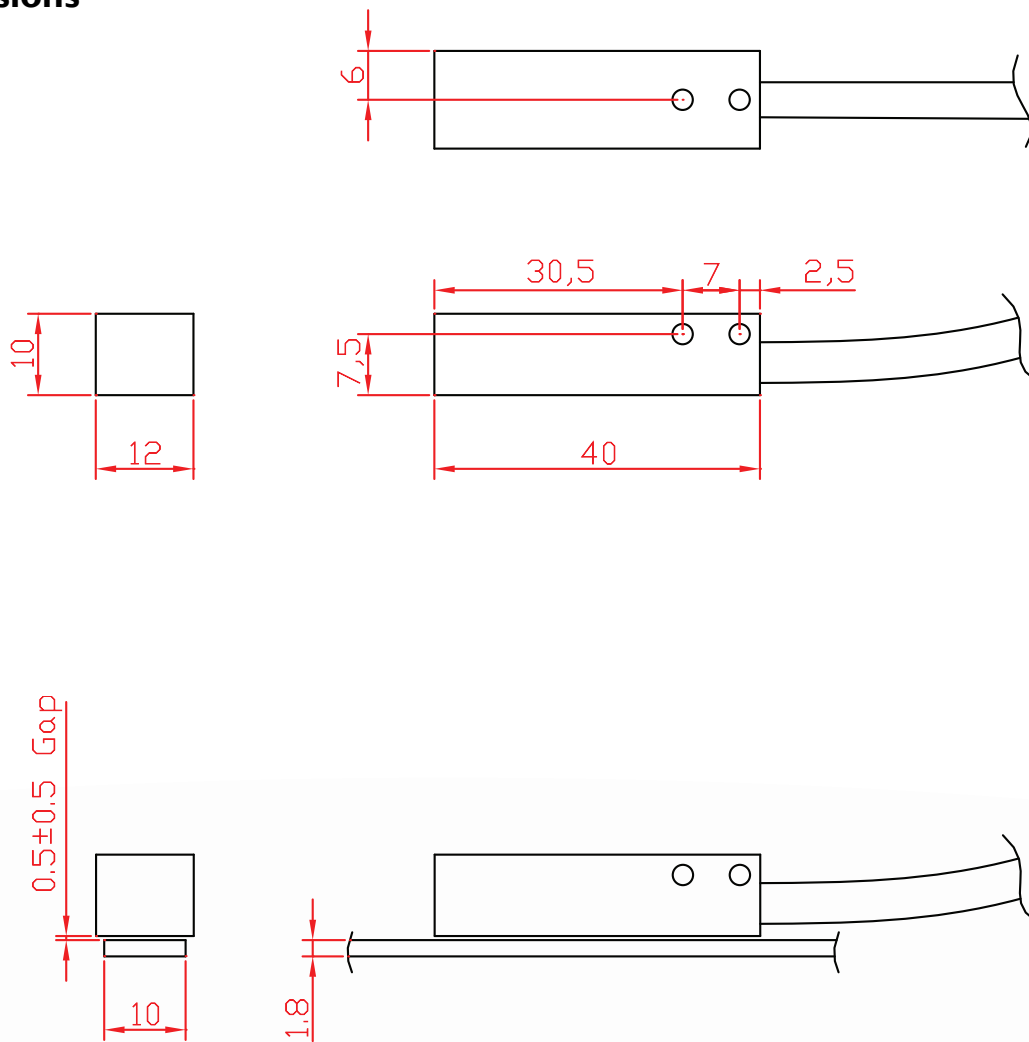
Applications

- Manual milling machines
- Manual lathes
- Bending machines
- Micro mills and lathes
- Fabrication machines
- Robotic process automation (RPA)
- CNC lathes and milling machines
- Hobby engineering machines
- Industrial machines
- Inspection machines and equipment
- Material handling
- 3D printing machines
- Closed loop feedback
- Custom made machines

Technical Specifications

Specifications	
Encoder type	Magnetic
Resolution	5um
Maximum reading speed	60 metres per minute
Cable length	3 metres flexible cable (<i>extension cables available</i>)
Scale length requirement	Reading length +40mm
Protection class	IP67
Output Signal	5 volt TTL Quadrature A, B, & Z
Reference mark	not available (<i>Please contact us for alternatives</i>)
Working temperature	0 ~ 50°C
Storage temperature	-20 ~ 70°C

Dimensions



All dimensions in mm (unless otherwise stated)

Part Number	Reading Length	Overall Tape Length	Part Number	L0	L1
DRO-EHMT-05-160	160	200	DRO-EHMT-05-860	860	900
DRO-EHMT-05-260	260	300	DRO-EHMT-05-960	960	1000
DRO-EHMT-05-360	360	400			
DRO-EHMT-05-460	460	500			
DRO-EHMT-05-560	560	600			
DRO-EHMT-05-660	660	700			
DRO-EHMT-05-760	760	800			

all dimensions in mm

EHM Series Mini Encoder Pin Outs

The reading head outputs a 5 volt TTL quadrature square wave with 90 degree phase difference.

PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9
N/C	0v	N/C	screen	N/C	A	+5V	B	Z

M-DRO adaptor cables and interfaces are available to allow simple replacement of damaged/faulty existing equipment for most DRO manufacturers. The plug in adaptors keep both the console and encoders standard. This allows for easy upgrade to M-DRO equipment should another part need replacing in the future.