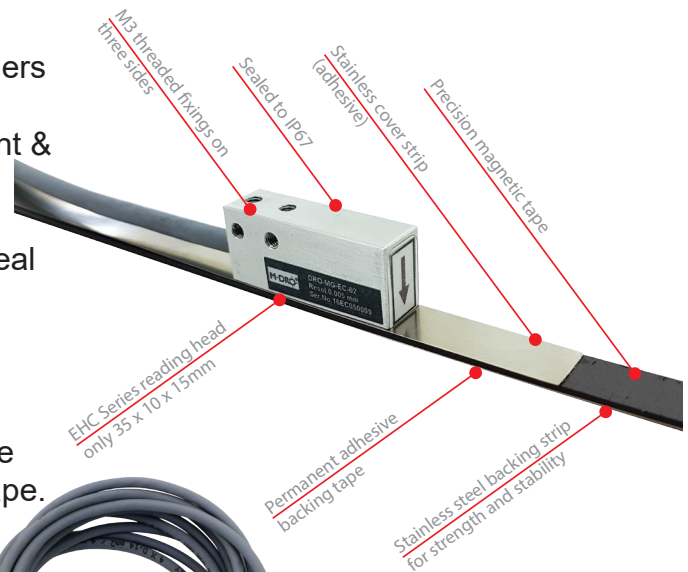


EHC Series Compact Magnetic Encoders

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

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

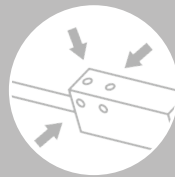
The magnetic tape can be mounted directly with the self adhesive backing pre-fitted to the rear of the tape. Additional mounting hardware, spars and support profiles are also available.



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

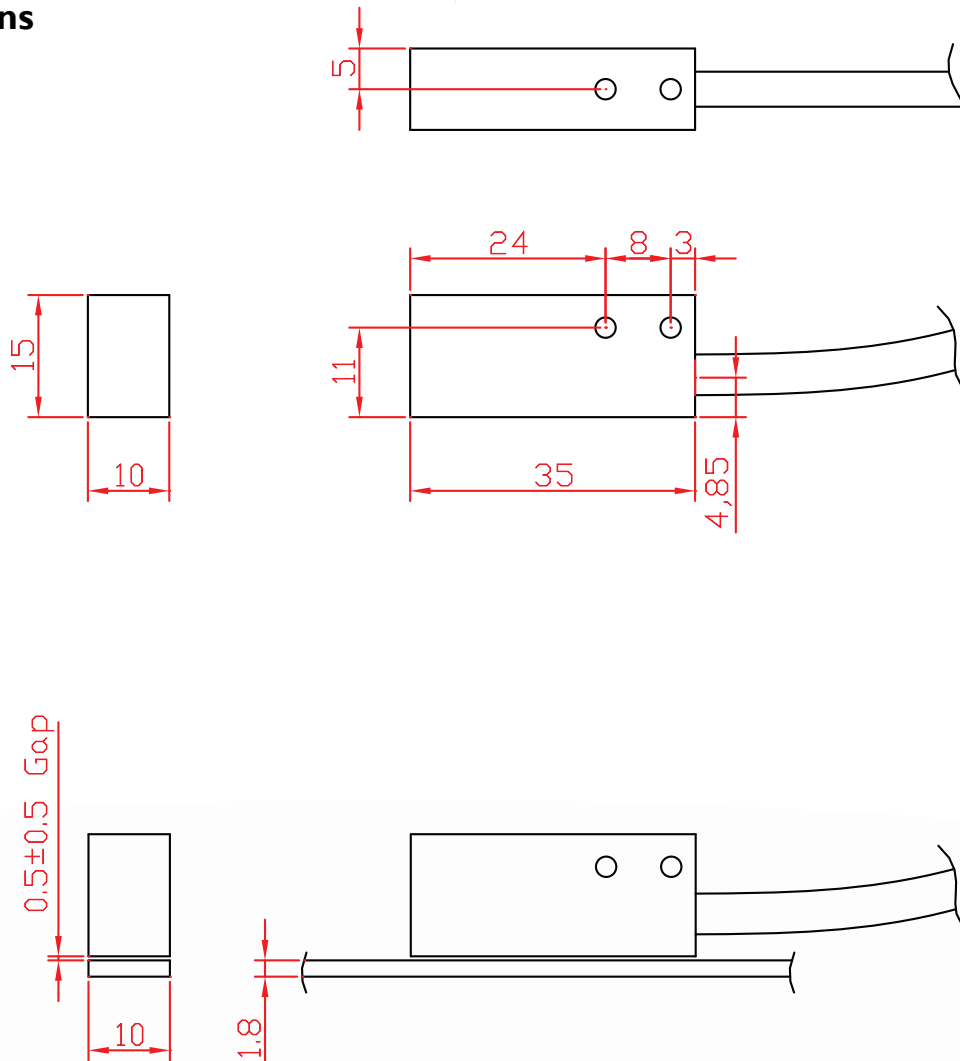
Applications

- 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 +35mm
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-EHCT-05-165	165	200	DRO-EHCT-05-865	865	900
DRO-EHCT-05-265	265	300	DRO-EHCT-05-965	965	1000
DRO-EHCT-05-365	365	400	<i>all dimensions in mm</i>		
DRO-EHCT-05-465	465	500			
DRO-EHCT-05-565	565	600			
DRO-EHCT-05-665	665	700			
DRO-EHCT-05-765	765	800			

EHC Series Compact 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.