MTN/EP200

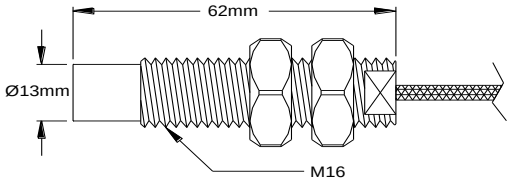
Industrial Eddy Current Probe

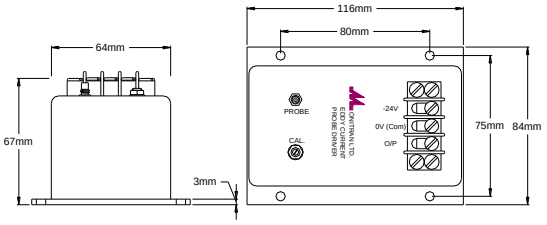
Applications

- Pump Monitors
- Turbines
- Gauges

MTN/EP200

Dimensions





Technical

Power Supply	-24VDC @ 30mA
Sensitivity	3.6mV/µm nominal
Output Impedance	<50 Ohms
Linear Range	0 – 5mm
Linearity	1% nominal
Frequency Range	DC to 10 kHz
Operating Temperature	Probe: -30°C to 180°C / Driver: -20°C to 80°C
Temperature Sensitivity	Probe: Less than 5% at 150°C Driver: Less than 5% at 80°C
Tip Material	Peek
Case Material	Stainless steel
Cable	RG179 PTFE insulated
Maximum Cable Length	9 metres
Extension Cable	MTN/EX00? (Length to be specified)
Calibration Material	Steel grade AISI 4140

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MTN/ECPD-24V

Industrial Eddy Current Probe Driver -24V

The MTN/ECPD Driver unit plus the MTN/EP series Eddy current Probes are non- contact measurement systems designed to monitor the gap between the probe tip and a metal target. The combined system the probe and the driver are used on machinery to monitor the end thrust or radial vibration of a rotating shaft. Calibrated in house using a low carbon steel grade SAE4140 to give a linear output as shown in the technical specification

Applications

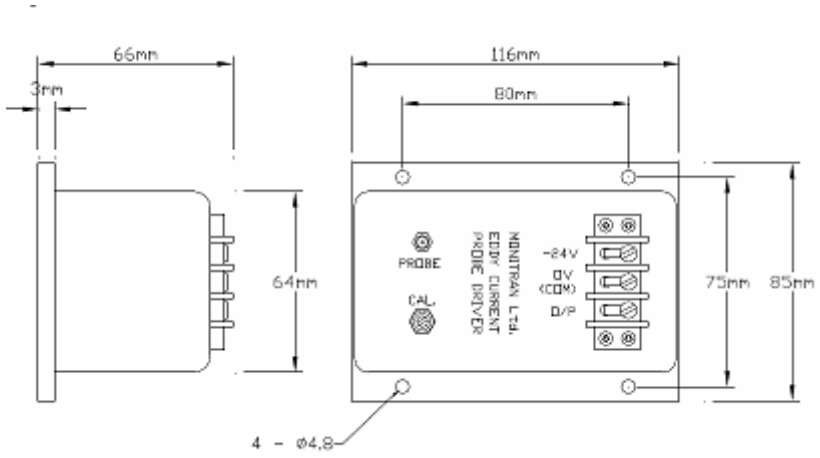
- Building Services
- Pumps
- Turbines

MTN/ECPD

Technical Specification

Linear Range	(dependent upon probe) MTN/EP080 - 0.1mm to 2mm MTN/EP200 - 0.25mm to 5mm MTN/EP340 - 0.4mm to 8.5 mm MTN/EP480 - 0.6 mm to 12mm
Power Supply	-24V dc@ 35mA Max Ripple 1%
Voltage Output Sensitivity	(dependent upon probe) MTN/EP080 – 8 Volts/mm MTN/EP200 – 3.6Volts/mm MTN/EP340 – 2.0 Volts/mm MTN/EP480 – 1.5Volts/mm
Output Impedance	<50 Ohms
Linearity	+/- 1% of full range
Frequency Range	AC Vibration
Operating Temperature	-20°C to 80°C
Connectors	Probe – SMC miniature coaxial connector Power/outputs – M4 screw terminals
Weight	450g

Dimensions



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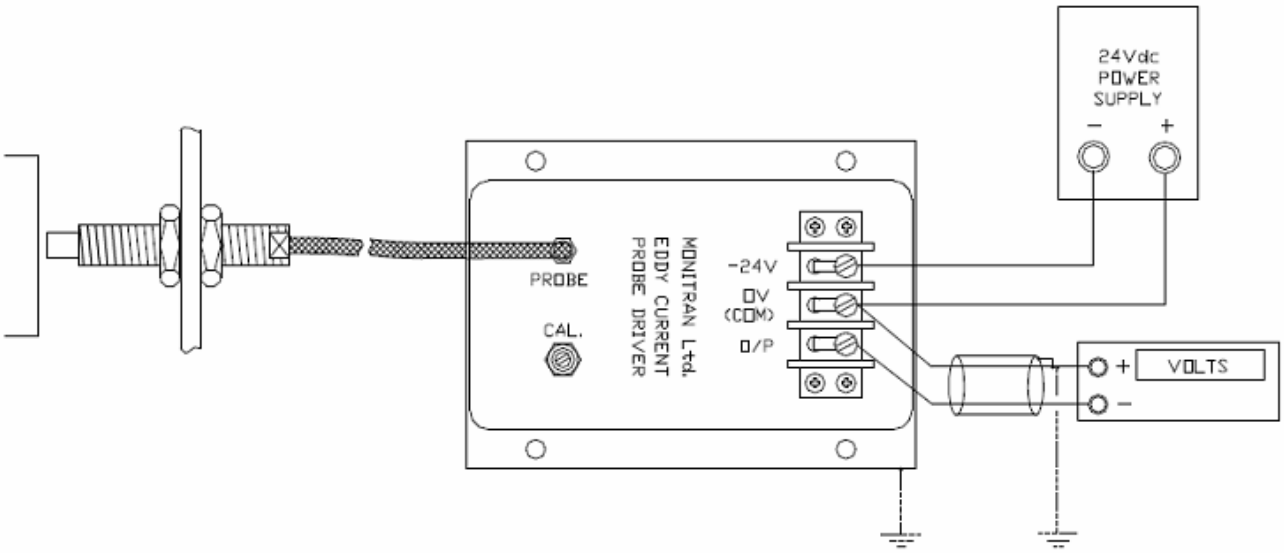
System Connection



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