

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

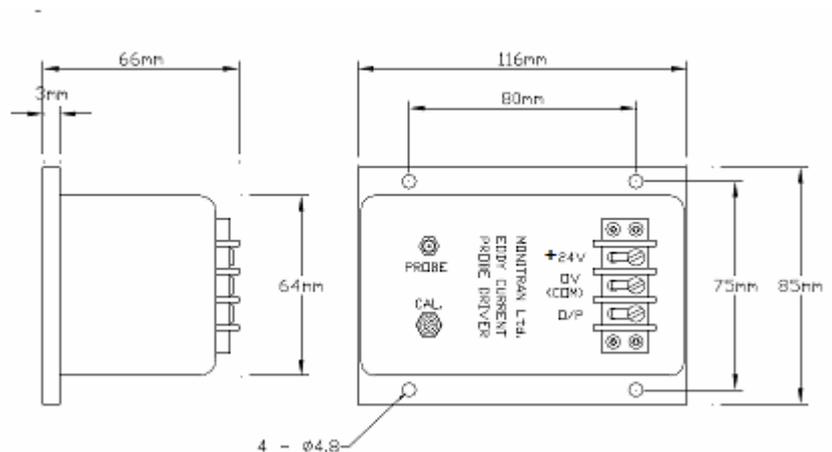
MTN/ECPD+24V



Technical Specification

	(dependent upon probe)
Linear Range	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%
	(dependent upon probe)
Voltage Output Sensitivity	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 (5Hz – 1kHz)
Operating Temperature	-20°C to 80°C
Connectors	Probe – SMC miniature coaxial connector Power/outputs – M4 screw terminals
Weight	450g

Dimensions



System Connection

