

The MTN/ECPD/60 unit together with the MTN/EP series Eddy current Probe is a three wire, non-contact measurement system designed to monitor radial vibration of a rotating shaft. The driver is powered from a 24V dc supply and provides a 4-20mA signal Proportional to the amplitude of the vibration. The system is calibrated in house using a flat, low carbon steel grade SAE4140 target To give a linear output.

Applications

- Building Services
- Pumps
- Turbines
- Direct PLC Interface

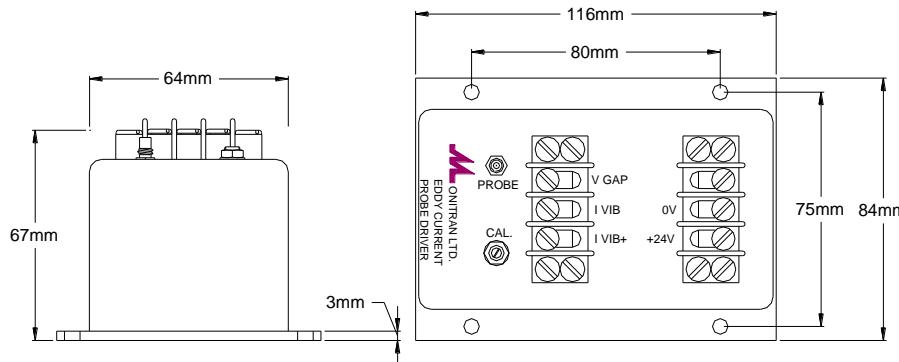
MTN/ECPD/60



Technical Specification

	Using MTN/EP080
Measurement Range	0 to 125 μm peak to peak
Power Supply	+24V @ 80 mA max
Voltage Output	(dependent upon probe)
	MTN/EP080 – 8 Volts/mm
	MTN/EP200 – 3.6Volts/mm
	MTN/EP340 – 2.0 Volts/mm
	MTN/EP480 – 1.5Volts/mm
Max. Loop Resistance	$R_{\text{max}} = 800\Omega$
Linearity	$\pm 1\%$ of full scale
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

