

MTN/ECPD/60

4-20mA Eddy Current Probe Driver

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



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| | 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 | Rmax =800Ω | | | |
| Linearity | ±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





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We reserve the right to alter specifications without prior notice.



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System Connection



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