

The MTN/ECPD-2AC Driver unit plus the MTN/EP080 Eddy current probe system is designed to monitor radial vibration of a rotating shaft. It provides a loop-powered 4-20mA signal proportional to the amplitude of the vibration with a typical range of 0 to $125\mu\text{pk-pk}$ and also provides a dc voltage output proportional to the gap with a sensitivity of 8v/mm.

Applications

- Centrifuges
- Pumps
- Turbines
- Direct PLC Interface

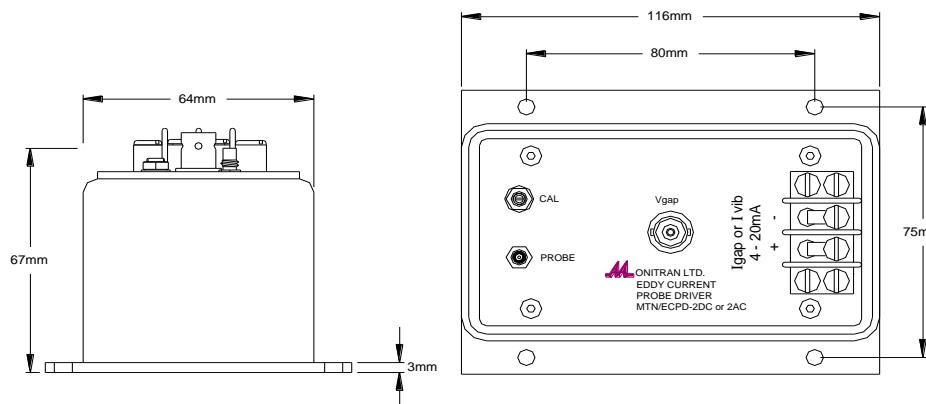
MTN/ECPD-2AC



Technical Specification

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|----------------------------|--|
| Measurement Range | 125 μm peak to peak (Other ranges available) |
| Current Output | 4-20mA two-wire loop powered via screw terminals, set to equal measurement range |
| Power Supply | 24VDC+/-4V |
| Voltage Output Sensitivity | 8 Volts/mm |
| Voltage Output Connector | BNC |
| Max Loop Resistance | Rmax=50(Vs-16) Ω |
| Linearity | 1% Nominal |
| Frequency Range | AC Vibration 5Hz – 1kHz |
| Probe OK Function | Short circuit = <3.6mA Open Circuit=3.6mA |
| Operating Temperature | -20°C to 80°C |
| Connectors | Probe – SMC miniature coaxial connector Power/Outputs – M4 Screw Terminals |
| Weight | 450g |

Dimensions



System Connection

