

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 125µ 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

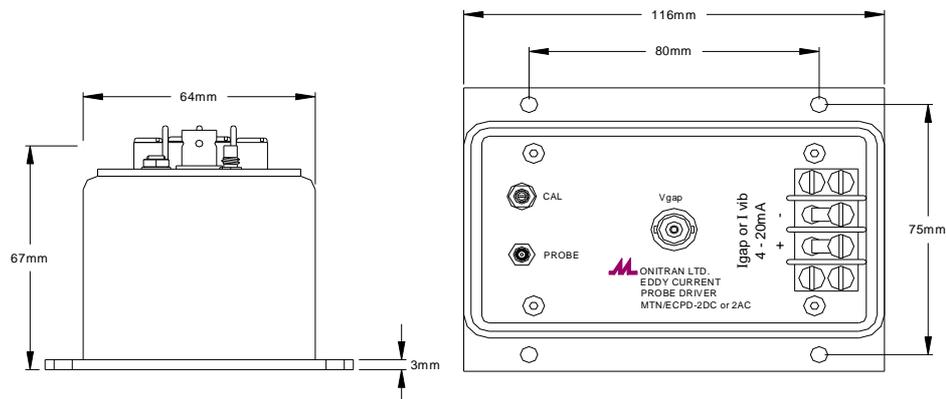
MTN/ECPD-2AC



Technical Specification

Measurement Range	125µm 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	$R_{max}=50(V_s-16)\Omega$
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

