MTN/ECPD-2DC

Industrial Eddy Probe Driver – 2 wire 4-20mA for direct PLC interface

The MTN/ECPD-2DC Driver unit plus the MTN/EP080 Eddy current probe system is designed to monitor axial displacement of a rotating shaft. It provides a loop –powered 4-20mA signal proportional to the gap between the probe and shaft with a range of 0-2mm. In this unit the voltage output proportional to gap has a sensitivity of 6V/mm.

Applications

- Centrifuges
- Pumps
- Turbines
- Direct PLC Interface

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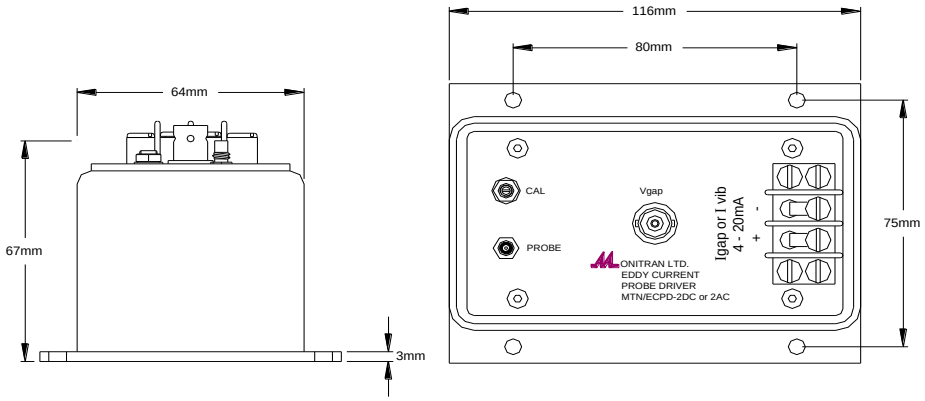
Technical Specification

Measurement Range	DC – 4-20mA = 2mm Gap dependant on Probe range
Current Output	4-20mA two-wire loop powered via screw terminals, set to equal measurement range
Power Supply	24VDC+/-4V
Voltage Output Sensitivity	6 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 = 21mA
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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System Connection