

The heavy duty eddy current probe system has been designed for greatest protection from harsh industrial Conditions it is particularly suited for thrust or vibration measurements on pumps and turbines. The electronics are housed in a rugged IP65 cast aluminium case with an integral probe attached which gives it a robust construction giving it many years of trouble free operation and maintenance. The stainless steel probe is tailored to an exact insertion depth and can be locked down for the chosen working gap. The unit can also connect to any data system by appropriate cable via the M20 entry.

MTN/EPHD080

Applications

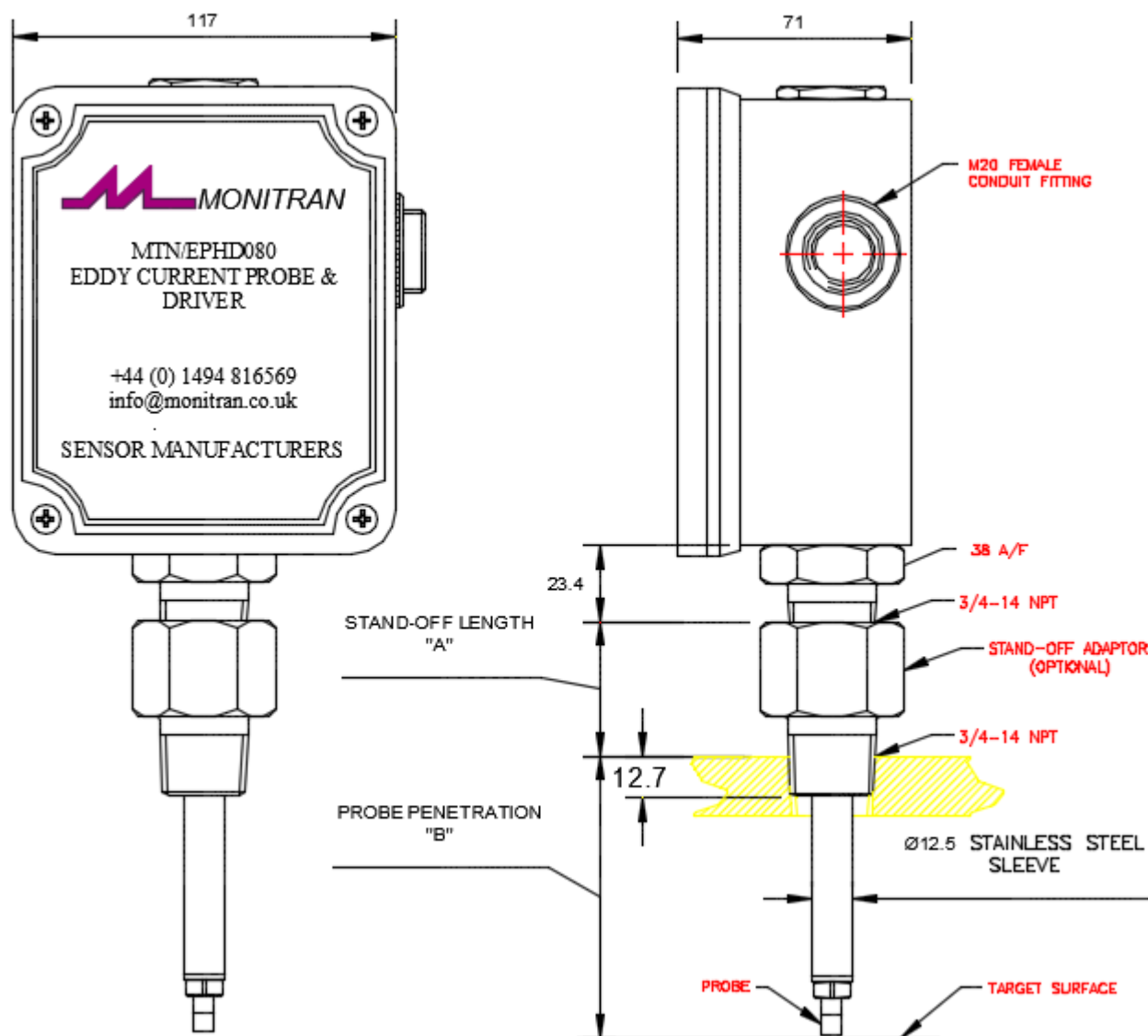
- Pump Monitors
- Turbines
- Gauges



Technical

Power Supply	24VDC @ 30mA
Sensitivity	8mV/ μ m nominal
Output Impedance	<50 Ohms
Linear Range	0 – 2mm
Linearity	1% nominal
Frequency Range	DC to 10 kHz
Operating Temperature	Probe: -30°C to 180°C / Driver: -20°C to 80°C
Temperature Sensitivity	Probe: Less than 5% at 150°C Driver: Less than 5% at 80°C
Tip Material	Peek
Case Material	Aluminium
Calibration Material	Steel grade AISI 4140

Dimensions



Note: it is recommended that for "A" plus "B" dimension that are greater than 300mm an additional probe sleeve support is fitted at the probe end to stiffen the assembly and avoid resonance. (Additional support not supplied.)

Driver unit

