

Small footprint, general purpose, top-entry constant current accelerometer with an isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. Specially adapted for use on light weight, high speed machinery. Sealed to IP67 and includes integral stainless overbraided ETFE cable available with male, female and conical mountings. Ultra-slim 15mm body.

MTN/1140



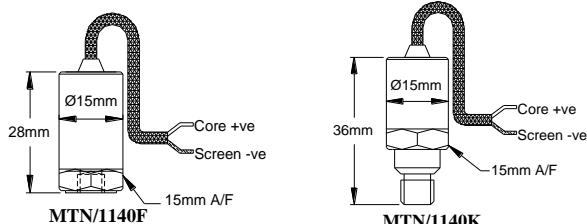
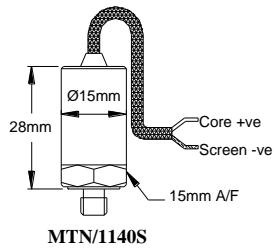
Applications

- General Industry
- Machine Tools
- Paper machinery

Technical

Sensitivity	50 mV/g +/-10% nominal at 80 Hz
Frequency Response	2Hz to 15kHz +/-10%, (-3dB at 0.8Hz)
Mounted Base Resonance	22 kHz (nominal)
Isolation	Base Isolated
Temperature Sensitivity	0.08 %/°C
Transverse Sensitivity	Less than 5%
Electrical Noise	0.1 mg max
Current Range	0.5 mA to 8 mA
Temperature Range	-55 to 140°C
Bias voltage	12 Volts DC (nominal)
Case Material	Stainless Steel
Cable	Integral Stainless Steel O/B ETFE
Standard Cable Length	5 metres
Maximum Cable Length	100 metres
Mounting Torque	8Nm (for M8 and M6, 6Nm (for 10-32 UNF)
Weight	30 gms (nominal)
Sealing	IP67

Dimensions



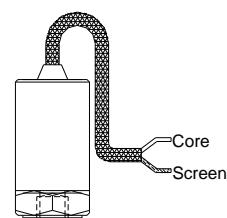
Mounting Adaptors and Studs

Male Studs

Part #	From	To	Grub screws	
			Part #	From
MS028	10-32 UNF Male	M8 Male	MS024	10-32 UNF Male
MS039	10-32 UNF Male	1/4"-28 UNF Male		
MS065	10-32 UNF Male	M6 Male		

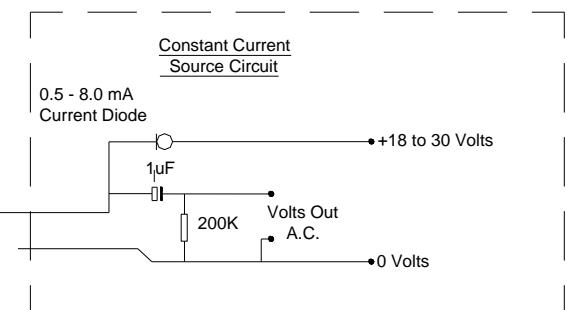


ORDER CODE	MOUNTING
PART No	
MTN/1140F	10-32 UNF Female
MTN/1140K	M8 Male conical
MTN/1140S	M6 Male



1140F Pictured but
connection is the same
for all 1140 Series

System Connection Details



Monitoring System