

General purpose, top-entry, constant current accelerometer with isolated AC output. Made from robust stainless steel throughout for long term vibration analysis in harsh environments. 3 wire device, requires -24V supply. Sealed to IP67, includes 3-pin 62GB connector and is available with a wide range of mountings.

### MTN/1109



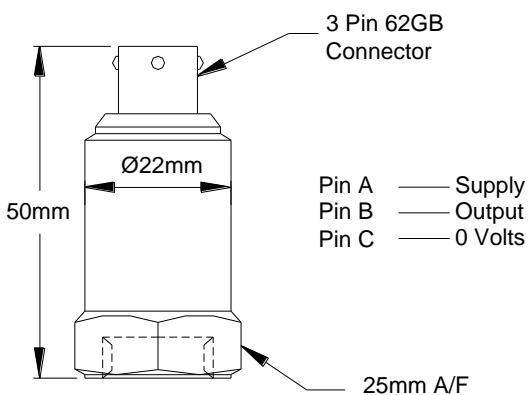
### Applications

- Data Collector
- Heavy industry
- Paper machinery

### Technical

Sensitivity	100 mV/g +/-10% nominal at 80 Hz
Frequency Response	2Hz to 8kHz +/-10%, (-3dB at 0.8Hz)
Mounted Base Resonance	18 kHz (nominal)
Isolation	Base Isolated
Transverse Sensitivity	Less than 5%
Electrical Noise	0.1 mg max
Temperature Range	-55 to 140°C
Supply Voltage	-24 Volts DC
Bias Voltage	-12 Volts DC nominal
Case Material	Stainless Steel
Dynamic Range	+/-80g
Mounting Torque	8 Nm
Weight	110 gms (nominal)
Sealing	IP67
Mating Connector	MTN/MH008

### Dimensions



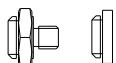
## Mounting Adaptors and Studs

### Studs and Grub Screws



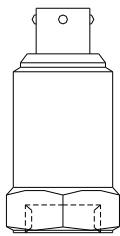
Part #	From	To
MS036	1/4"-28 UNF Male	M6 Male
MS039	1/4"-28 UNF Male	10-32 UNF Male
MS067	1/4"-28 UNF Male	M8 Male
MS068	1/4"-28 UNF Male	1/4"-28 UNF Male
MS124	1/4"-28 UNF Male	M10 Male
MS132	1/4"-28 UNF Male	M12 Male

### Quick Fit Adaptors

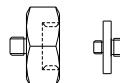


Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	1/4"-28 UNF Male
MS006	Q/F Male	M6 Male

ORDER CODE PART No	MOUNTING
MTN/1109	1/4" UNF Female
MTN/1109M	M10 x 8mm Male
MTN/1109M8	M8 x 8mm Male
MTN/1109MI	1/4" UNF x 6mm Male
MTN/1109Q	Quick Fit Female
MTN/1109F8	M8 Female



### Other Adapters



Part #	From	To
MS005	Q/F Male	1/4"-28 UNF Female
MS007	Q/F Male	10-32 UNF Female
MS008	Q/F Male	M8 Female
MS011	1/4"-28 UNF Male	Q/F Female
MS013	1/4"-28 UNF Male	Glue base
MS033	1/4"-28 UNF Male	Q/F Female
MS038	Q/F Male	M8 Conical Male
MS061	1/4"-28 UNF Male	10-32 UNF Male
MS079	1/4"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

### Isolation Adapters

Part #	From	To
MS034	1/4"-28 UNF Male	1/4"-28 UNF Female
MS093	Q/F Male	M8 Male

### System Connection Details

