

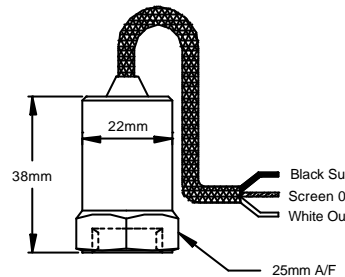


MTN/1109C Series

General purpose industrial accelerometer
Cost effective equivalent to other commercially available products

Applications

- Data-collector
- Heavy industry
- Paper machinery



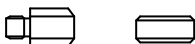
Technical Specification

Sensitivity	100 mV/g $\pm 10\%$ nominal at 80 Hz
Frequency Response	2 Hz to 8 kHz $\pm 10\%$ (-3 dB at 0.8 Hz)
Mounted Base Resonance	18 kHz (nominal)
Isolation	Base isolated
Transverse Sensitivity	Less than 5%
Electrical Noise	0.1 mg max
Supply Voltage	-24 Volts DC
Bias Voltage	-12 Volts DC nominal
Temperature Range	-55°C to 140°C
Case Material	Stainless steel
Range	$\pm 80g$
Cable	Integral stainless steel overbraided PTFE
Standard Cable Length	5 metres
Maximum Cable Length	1000 metres
Mounting Torque	8 Nm
Weight	110 gms (nominal)
Sealing	IP67
Options	Intrinsically safe, connector, cable length, various mounts

Order Code Part No	Mounting
MTN/1109C	1/4" UNF Female
MTN/1109CM	M10 x 8mm Male
MTN/1109CM8	M8 x 8mm Male
MTN/1109CMI	1/4" UNF x 6mm Male
MTN/1109CQ	Quick Fit Female
MTN/1109CF8	M8 Female

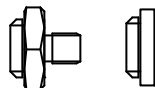
Mounting Adapters and Studs

Studs and Grub Screws



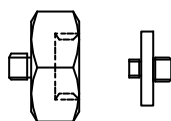
Male Studs		
Product Code	From	To
MS036	1/4" - 28 UNF	M6
MS039	1/4" - 28 UNF	10 - 32 UNF
MS067	1/4" - 28 UNF	M8
MS068	1/4" - 28 UNF	1/4" - 28 UNF
MS124	1/4" - 28 UNF	M10
MS132	1/4" - 28 UNF	M12

Quick Fit Adapters



Quick Fit (Q/F)		
Product Code	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

Other Adapters



Mounting Adapters		
Product Code	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		
Product Code	From	To
MS034	1/4" - 28 UNF Male	1/4" - 28 UNF Female
MS093	Q/F Male	M8 Male

System Connection

