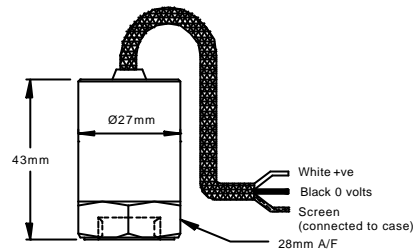**MONITRAN**
SENSORS FOR YOUR INDUSTRY

MTN/1187C Series

4-20 mA Output Accelerometer for PLC Interface

Applications
- Centrifuges
- Building services
- Fans, pumps

Ø27mm
43mm
White +ve
Black 0 volts
Screen (connected to case)
28mm A/F

Technical Specification

Output Current	4-20mA DC proportional to RMS acceleration (g rms)
Measurement Range	See table below
Frequency Response	2 Hz to 1 kHz ±10%
Dynamic Range	50 g peak
Mounted Resonance	5 kHz min
Isolation	Base isolated
Operating Temp Range	-25 to 90 ^{o}C
Temperature Sensitivity	0.08 %/^{o}C
Transverse Sensitivity	Less than 5%
Supply Voltage	12-32 Volts DC (4-20mA)
Standard Cable	5 metres armoured PTFE
Case Material	Stainless steel
Weight	150 gms (nominal)
Sealing	IP67
Mounting Torque	8 Nm
Options	Ranges, connector, side exit cable, filters, mounting threads, other cable lengths, intrinsically safe, high temperature.

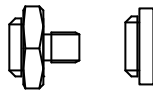| ORDER CODE PART No	MOUNTING	xx =ACCELERATION RANGE AVAILABLE (+/- 10%)
MTN/1187C-xx MTN/1187CQ-xx	¼ UNF FEMALE QUICK FIT FEMALE	0-1g RMS 0-2g RMS 0-5g RMS 0-10g RMS 0-20g RMS
FOR OTHER MOUNTINGS SEE OVER PAGE.		

Mounting Adapters and Studs
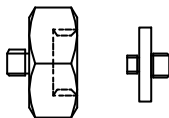
Studs and Grub Screws

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

White +ve
Black 0 volts
Screen
(connected to case)

4-20 mA

+24V Power Supply

0V

Monitoring System