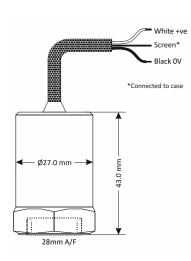


General purpose, top-entry accelerometer with DC output proportional to acceleration. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Internal electronics are enclosed in a Faraday cage and isolated to minimise noise. Sealed to IP67 with industry standard two wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other industrial controllers. Includes integral stainless steel overbraided ETFE cable and is available with a wide range of mountings.

MTN/22870
-----------



**Dimensions** 



Applications	
<ul><li>Centrifuges</li><li>Building services</li><li>Pumps and fans</li></ul>	
Technical	
Output current	4-20mA DC proportional to rms acceleration (g rms)
Supply voltage	12-32V DC (4-20mA)
Frequency response	2Hz to 1kHz ±10%
Mounted base resonance	5kHz (nominal)
Isolation	Electronics in Faraday cage, isolated from body
Dynamic range	50g peak
Transverse sensitivity	Less than 5%
Operating temperature	-25 to 90°C
Temperature sensitivity	0.08%/°C
Case material	Stainless steel
Cable	Integral stainless steel overbraided ETFE
Standard cable length	5m
Maximum cable length	100m
Mounting torque	8Nm
Weight	150g (nominal)
Sealing	IP67

Monitran Ltd | Monitor House | 33 Hazlemere Road | Penn | Bucks | UK | HP10 8AD

Telephone +44 (0)1494 816569 | E-mail info@monitran.com | Website www.monitran.com





## MTN/2287C Series

4-20mA output accelerometer for PLC interface

stuus anu yr	ub screws		Mounting ac	lapters
Part #	From	То	Part #	From
MS036	¼"-28 UNF Male	M6 Male	MS005	Q/F Male
MS039	¼"-28 UNF Male	10-32 UNF Male	MS007	Q/F Male
MS067	¼"-28 UNF Male	M8 Male	MS008	Q/F Male
MS068	¼"-28 UNF Male	¼"-28 UNF Male	MS011	¼"-28 UNF Male
MS124	¼"-28 UNF Male	M10 Male	MS013	¼"-28 UNF Male
MS132	¼"-28 UNF Male	M12 Male	MS033	¼"-28 UNF Male
	1	I	MCODO	
			MS038	Q/F Male
			MS038 MS061	Q/F Male ¼"-28 UNF Male
uick fit ada	pters			
uick fit ada	pters		MS061	¼"-28 UNF Male
<b>Quick fit ada</b> Part #	·	То	MS061 MS079 MS106	¼"-28 UNF Male ¼"-28 UNF Male
		To Glue base	MS061 MS079	¼"-28 UNF Male ¼"-28 UNF Male
Part #	From		MS061 MS079 MS106 Isolation	¼"-28 UNF Male ¼"-28 UNF Male Q/F Male
Part # MS001	From Q/F Male	Glue base	MS061 MS079 MS106 Isolation Part #	¼"-28 UNF Male ¼"-28 UNF Male Q/F Male From
MS001 MS002	From Q/F Male Q/F Male	Glue base M8 Male	MS061 MS079 MS106 Isolation	¼"-28 UNF Male ¼"-28 UNF Male Q/F Male

## **Options**

- Filters •
- ٠ Mounting threads
- High temperatures •
- Other ranges (see below) •

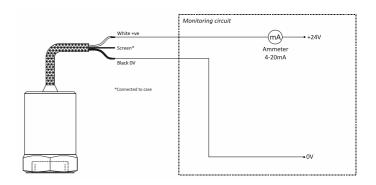
Part #	Mounting	xx = Optional acceleration (g rms)
MTN/2287C-xx	¼"UNF Female	0-1 0-2 0-5
MTN/2287CQ-xx	Q/F Female	0-10 0-20

## \_ \_ .

Part #	From	То	
MS005	Q/F Male	¼"-28 UNF Female	
MS007	Q/F Male	10-32 UNF Female	
MS008	Q/F Male	M8 Female	
MS011	¼"-28 UNF Male	Q/F Female	
MS013	1/4"-28 UNF Male	Glue base	
MS033	¼"-28 UNF Male	Q/F Female	
MS038	Q/F Male	M8 Conical Male	
MS061	¼"-28 UNF Male	10-32 UNF Male	
MS079	1/4"-28 UNF Male	Q/F Female	
MS106	Q/F Male	M10 Female	

Part #	From	То
MS034	¼"-28 UNF Male	¼"-28 UNF Female
MS093	Q/F Male	M8 Male

## System connection



<u>sira</u>

Monitran Ltd | Monitor House | 33 Hazlemere Road | Penn | Bucks | UK | HP10 8AD

Telephone +44 (0)1494 816569 | E-mail info@monitran.com | Website www.monitran.com