



## MTN/1185IC & M1185IC Series

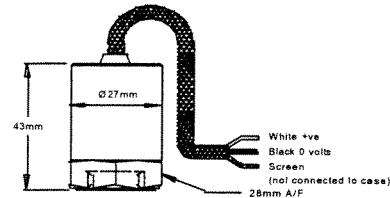


Intrinsically safe 4-20mA Velocity Transducer

Atex Group I & II Approved

### Applications

- Intrinsically safe data-collector
- Oil & mining
- Fans, compressors, pumps, etc.



### Technical Specification

Output Current	4-20mA DC proportional to RMS velocity (mm/s)
Velocity Range	See table below
Frequency Response	2 Hz to 1 kHz $\pm 10\%$
Dynamic Range	50g peak
Mounted Resonance	5 kHz min
Isolation	Base isolated
Operating Temp Range	-25 to 90 °C
Temperature Sensitivity	0.08 %/°C
Transverse Sensitivity	Less than 5%
Supply Voltage	12-32 Volts DC (4-20 mA)
Standard Cable	5 metres armoured PTFE
Maximum Cable Length	See system drawing ATX009
Case Material	Stainless steel
Weight	150 gms (nominal)
Sealing	IP67
Mounting Torque	8 Nm
Certificate Details:	Group I EEx ia I Baseefa02ATEX0245
	Group II EEx ia IIC T6 BAS02ATEX1057
System Connection	Drawing ATX009
Barrier	MTL 787S, BAS01ATEX7202 or P&F Z787, BAS01ATEX7005 or any other barrier that conforms to Note 4 of ATX009.
Options	Ranges, filters, mounting threads, other cable lengths

ORDER CODE PART No	MOUNTING	xx =VELOCITY RANGE AVAILABLE (+/- 10%)
MTN/1185IC-xx MTN/1185ICQ-xx	1/2" UNF FEMALE QUICK FIT FEMALE	0-20 mm/sec RMS 0-25 mm/sec RMS 0-50 mm/sec RMS 0-100 mm/sec RMS
FOR OTHER MOUNTINGS SEE OVER PAGE.		