

MTN/1185C Series

4-20 mA velocity transducer for PLC interface

### Studs and grub screws

Part #	From	То
MS036	1/4"-28 UNF Male	M6 Male
MS039	¼"-28 UNF Male	10-32 UNF Male
MS067	¼"-28 UNF Male	M8 Male
MS068	¼"-28 UNF Male	¼"-28 UNF Male
MS124	1/2"-28 UNF Male	M10 Male
MS132	¼"-28 UNF Male	M12 Male

### Quick fit adapters

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

### Isolation

Part #	From	То
MS034	¼"-28 UNF Male	1/2"-28 UNF Female
MS093	Q/F Male	M8 Male

### Options

- Connector
- Filters
- Mounting threads
- Other velocities (see below)

Part #	Mounting	xx = Optional Velocity (mm/s rms)
MTN/1185C-xx	¼" UNF Female	0-10
		0-20
MTN/1185CQ-xx	Q/F Female	0-25 0-50
MTN/1185NPTC-xx	½" NPT Male	0-100

### System connection



### Mounting adapters

Part #	From	То
MS005	Q/F Male	1/28 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	1/28 UNF Male	10-32 UNF Male
MS079	¼"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female



# MTN/1185C Series

4-20 mA velocity transducer for PLC interface

General purpose, top-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. 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 overbraided ETFE cable and is available with a wide range of mountings.

### MTN/1185C



### Dimensions



#### Applications

- Air handling units
- Building services
- Fans

### Technical

Technical	
Output current	4-20mA DC proportional to rms velocity (mm/s)
Supply voltage	12-32V DC (4-20mA)
Frequency response	2Hz to 1kHz ±10%
Mounted base resonance	5kHz (nominal)
Isolation	Base isolated
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