

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-20



## Applications

- Air handling units
- Building services
- Fans

## Technical

Output current 4-20mA DC proportional to rms velocity (mm/s)

Supply voltage 12-32V DC (4-20mA)

Frequency response 2Hz to 1kHz  $\pm 10\%$

Mounted base resonance 5kHz (nominal)

Isolation Base isolated

Dynamic range 50g peak

Transverse sensitivity Less than 5%

Sensitivity 20mm/sec

Operating temperature -25 to 90°C

Temperature sensitivity 0.08%/°C

Sensitivity 20mm/sec

Cable Integral stainless steel overbraided ETFE

Standard cable length 5m

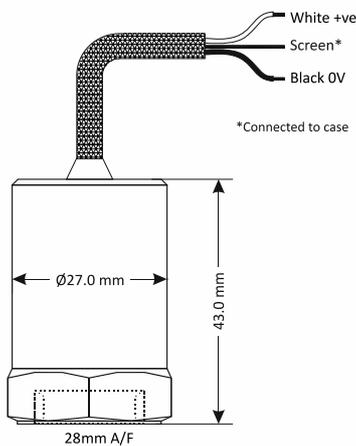
Maximum cable length 100m

Mounting torque 8Nm

Weight 150g (nominal)

Sealing IP67

## Dimensions

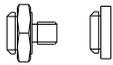


## Studs and grub screws



Part #	From	To
MS036	¼"-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	¼"-28 UNF Male	M10 Male
MS132	¼"-28 UNF Male	M12 Male

## Quick fit adapters



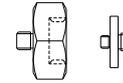
Part #	From	To
MS001	Q/F Male	Glue base
MS002	Q/F Male	M8 Male
MS003	Q/F Male	M10 Male
MS004	Q/F Male	¼"-28 UNF Male
MS006	Q/F Male	M6 Male

## Options

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

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

## Mounting adapters



Part #	From	To
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	¼"-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	¼"-28 UNF Male	Q/F Female
MS106	Q/F Male	M10 Female

## Isolation

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

## System connection

