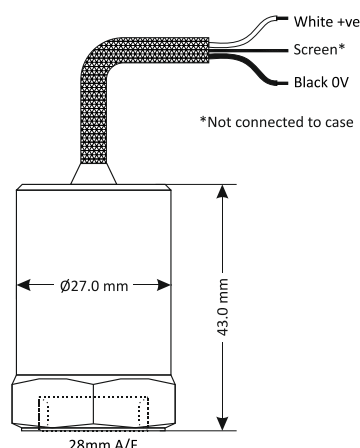


General purpose, top-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Internal electronics are enclosed in a Faraday cage and isolated to minimise noise. Sealed to IP67 with industry standard two-wire 4-20mA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

MTN/2285C



Dimensions



Applications

- Air handling units
- Building services
- Fans

Technical

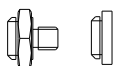
| | |
|-------------------------|---|
| Output current | 4-20mA DC proportional to rms velocity (mm/s) |
| Supply voltage | 12-32V DC (for 4-20mA) |
| Frequency response | 2Hz to 1kHz $\pm 10\%$ |
| Mounted base resonance | 18kHz (nominal) |
| Isolation | Electronics in Faraday cage, isolated from body |
| 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 |
| Case material | Stainless steel |
| Weight | 140g (nominal) |
| Sealing | IP67 |

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 | xx = Optional velocity (mm/s rms) |
|---------------|---------------|-----------------------------------|
| MTN/2285C-xx | ¼" UNF Female | 0-10 0-20 0-25 |
| MTN/2285CQ-xx | 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

