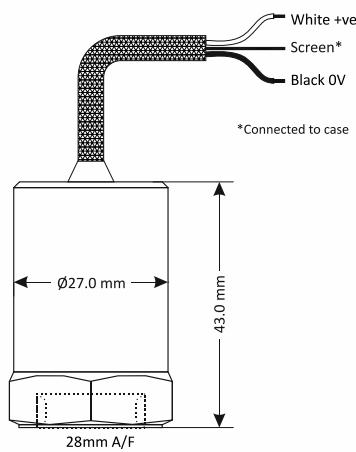


General purpose, top-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh environments. Sealed to IP67 with industry standard two-wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other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

## MTN/1185C



## Dimensions



## Applications

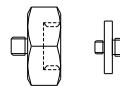
- Air handling units
- Building services
- Fans

## Technical

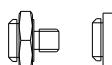
|                         |   |
|-------------------------|---|
| Output current          | 4-20mA DC proportional to rms velocity (mm/s) |
| Supply voltage          | 12-32V DC (4-20mA)                            |
| Frequency response      | 2Hz to 1kHz ±10%                              |
| Mounted 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  |

**Studs and grub screws**


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

**Mounting adapters**


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

**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 | 1/4"-28 UNF Male |
| MS006  | Q/F Male | M6 Male          |

**Isolation**

| Part # | From             | To                 |
|--------|------------------|--------------------|
| MS034  | 1/4"-28 UNF Male | 1/4"-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    | 1/4" UNF Female | 0-10                              |
|                 |                 | 0-20                              |
| MTN/1185CQ-xx   | Q/F Female      | 0-25                              |
|                 |                 | 0-50                              |
| MTN/1185NPTC-xx | 1/2" NPT Male   | 0-100                             |

**System connection**
