Attn： Smiling
Mobile/WhatsApp/Wechat:+86 18050035902
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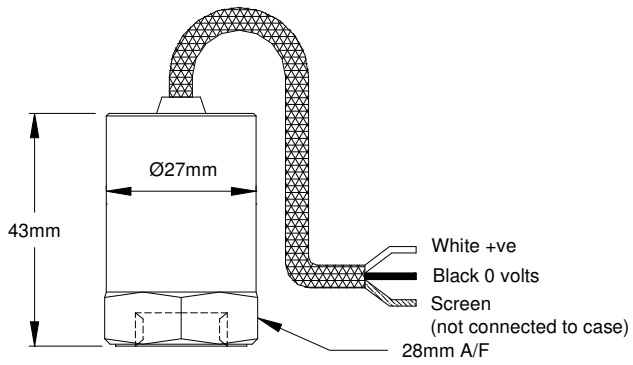
Vibro-Meter GmbH

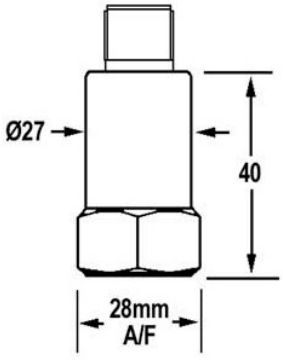
# Acceleration sensor
# CI 185 Series for PLC interface
# Output in Velocity units
# as 4...20 ma signal. Loop powered

**CI 185**

## Applications

- Fans
- Blowers
- Compressors
- Pumps






MEGGiTT smart engineering for extreme environments

## Technical Specification

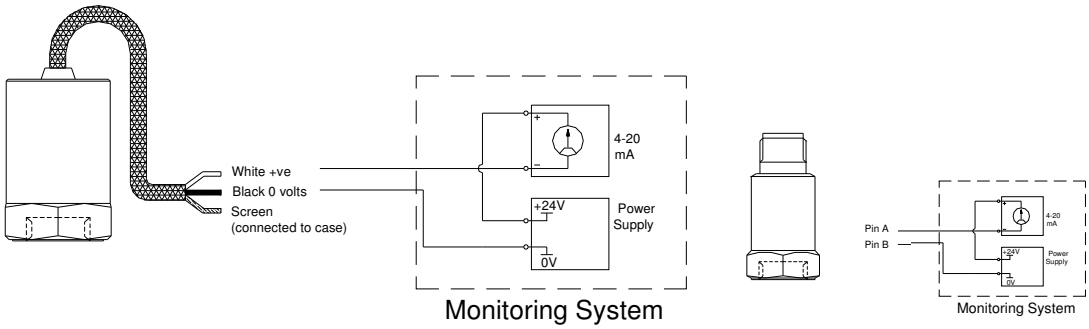
| | | |
|---|---|---|
| Output Current | | 4-20mA DC proportional to RMS velocity (mm/s) |
| Velocity Range | | See table below |
| Frequency Response | | 2 Hz to 1 kHz ±10 % |
| Dynamic Range | | 50g peak |
| Mounted Resonance | | 5 kHz min |
| Isolation | | Base isolated |
| Operating Temp Range | | -30 to 90 ºC |
| Temperature Sensitivity | | 0.08 %/ºC |
| Transverse Sensitivity | | Less than 5% |
| Supply Voltage | | 12-32 Volts DC (4-20 mA) Loop powered |
| Standard Cable length | | 5 meters armoured PTFE for AT and EX versions |
| Maximum Cable length | | 1000 meter, for EX version see ATX009 |
| Mating Connector | | 2 pin MS for CT version |
| 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, side exit cable, filters, mounting threads, other cable length, |

**Ordering Information**

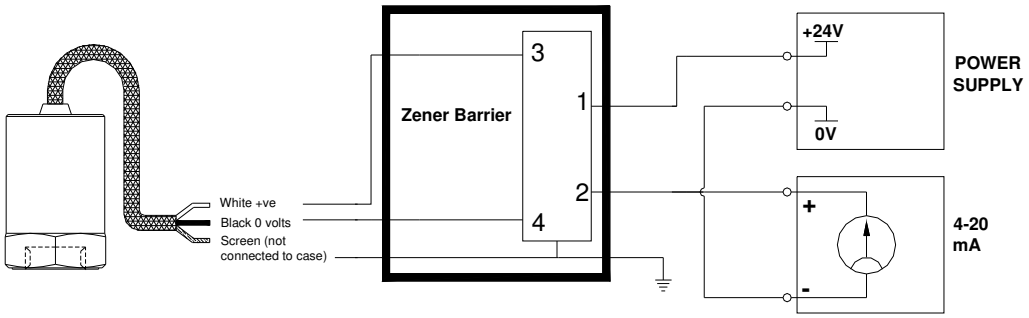
| | | Range in mm/sec | Connection | Output | Mounting |
|---|---|---|---|---|---|
| **VMD** | **185** | 010 | **AT** ( Armoured cable top) | **CA** (Analogue mA) | **S** (standard ¼" UNF fem. with Adapter to M8 Male) |
| | | **020** | CT (Connector top) | | |
| | | 025 | EX ( Intrinsic safe version) | | |
| | | 050 | ( Integral cable) | | |
| | | 100 | ATEX | | |

Standard Options Highlighted

## System Connection




## Barrier System Connection




## Mounting Adapters and Studs

Studs



| Included Adapters | |
|---|---|
| From | To |
| 1/4" - 28 UNF | M8 x 1,25 |
| 1/4" - 28 UNF | 1/4" - 28 UNF |

Vibro-Meter GmbH
Kaiserleistraße 51

vibro-meter
zertifiziert durch
ISO 9001