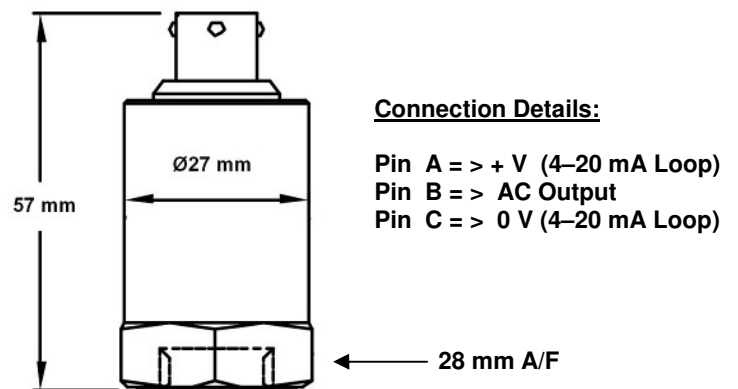
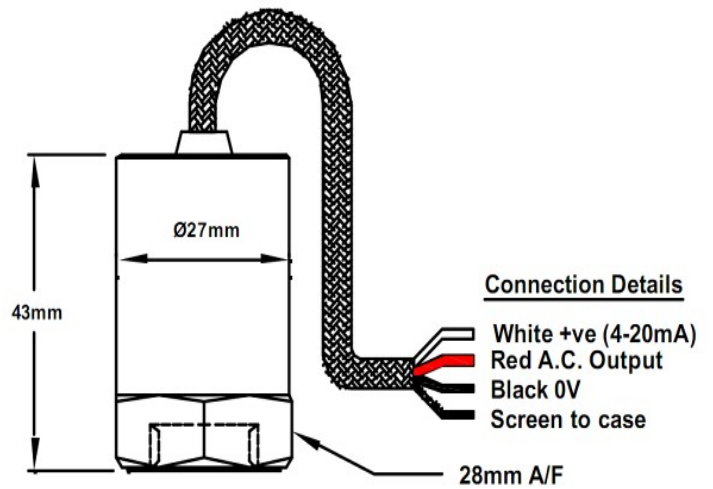




Loop powered Accelerometer Dual Output Accelerometer for PLC Interface & Data Collection

APPLICATIONS

- Air handling units
- Building services
- Fans, pumps



TECHNICAL SPECIFICATION

| | |
|--------------------------|---|
| Current Output | 4-20mA proportional to RMS velocity (mm/s) |
| AC Output | AC voltage proportional to acceleration (g) |
| Frequency Response | 2 Hz to 1 kHz $\pm 10\%$ -3 dB at 0.8Hz for AC output |
| Measurement Range | See table below |
| Dynamic Range | 30g peak for 100mV/g: 60g peak for 50mV/g |
| Mounted Resonance | 5 kHz min |
| Bias Voltage (AC output) | 3 Volts |
| Isolation | Base isolated |
| Operating Temp Range | -25 to 90 °C |
| Temperature Sensitivity | 0.08%/°C |
| Transverse Sensitivity | Less than 5% |
| Supply Voltage | 12-32 Volts DC (4-20 mA) |
| Standard Cable | 5 metres armoured PTFE |
| Case Material | Stainless steel |
| Weight | 150 gms (nominal) |
| Sealing | IP67 |
| Mounting Torque | 8 Nm |
| Mating Connector | 3 pin 62 GB for CT connection |
| Options | Ranges, connector, side exit cable, filters, mounting threads, other cable lengths, high temperatures. |

Ordering Information

| | | Range in mm/sec | Connection | output | Mounting |
|------------|------------|----------------------|--------------------------------|----------------------------------|---------------------------|
| VMD | 186 | 10 (100 mV/g) | AT (armoured Cable top) | CA (Analogue mA +mV/g) | S (Standard M8) |
| | | 20 (100 mV/g) | CT (Connector top) | | |
| | | 25 (100 mV/g) | | | |
| | | 50 (50 mV/g) | | | |
| | | 100 (50 mV/g) | | | |

Standard Options highlighted

Mounting Accesories

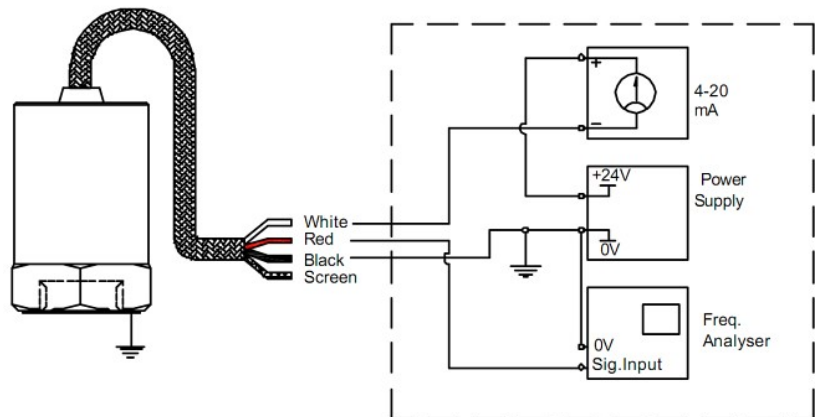
Studs and Grub Screws



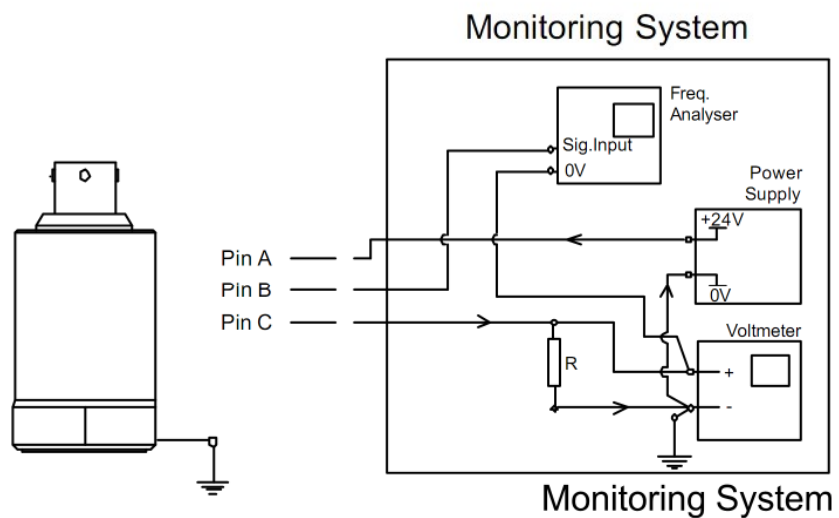
| Male Studs | | |
|--------------|---------------|---------------|
| Product Code | From | To |
| MS067 | 1/4" - 28 UNF | M8 x 1,25 |
| MS068 | 1/4" - 28 UNF | 1/4" - 28 UNF |

System Connection

Cable Version (AT)



Connector Version (CT)



Notes: $R_{max} = 50(V_{supply} - 12)$

To avoid spurious signals the body of the sensor must be grounded by the machine or by a grounded connector shell. The monitoring system 0V should also be grounded.

Sales Offices

Vibro-Meter has offices in over 30 countries. The complete list can be found on our webpage www.vibro-meter.com

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