

VIBRATION TRANSMITTER SPECIFICATION OPTIONS

Performance Characteristics

1. Vibration Ranges: 0.0 to 1.0, 0.0 to 2.0, 0.0 to 3.0 or 0.0 to 5.0 in/sec
(0.0 to 25, 0.0 to 50, 0.0 to 75 or 0.0 to 125 mm/sec)
2. Output: 4 to 20 mA, proportional to selected full scale vibration range
3. Frequency Response Range: 4 to 2,000 Hz ± 3 dB
4. Accuracy: Better than $\pm 5\%$ of full scale
5. Repeatability: $\pm 2\%$
6. Temperature Range: -40 to 185 F (-40 to 85 C)
7. Axis Orientation: Full 360 degrees

Physical Characteristics

1. Size: 1.32 Inch (3.35 cm) diameter x 3.4 inch (8.64 cm) long
2. Weight: 1 Pound (0.45 Kg)
3. Standard Mounting: 0.375 Inch-24 UNF x 0.75 inch stud (included)
4. Hazardous Rating: Suitable for use in Class I, Groups A, B, C and D, Class II, Groups E, F and G, and Class III, Division 1 and 2, EEx d 11C T3 and EEx nA 11C T3
5. Environmental Rating: Weatherproof, corrosion resistant and explosion proof
6. Calibration Requirements: None
7. Approvals: Canadian Standards Association (CSA), Conformité Europeene (CE) Certification, European Committee For Electrotechnical Standardization (CENELEC), Atmosphère Explosibles (ATEX)

Material Characteristics

Case Material: Stainless steel

Electrical Characteristics

1. Allowable Supply Voltage (SV): 14 to 30 VDC
2. Maximum Loop Resistance Calculation: $(50)(SV - 10)$ ohms, e.g., $(50)(14 \text{ VDC} - 10) = 100\Omega$
3. Circuit-to-Case Isolation: 500 V minimum
4. Input Transducer: Internal high accuracy acceleration transducer
5. Electrical Connections: Two AWG no. 18 wires 12 feet long

Additional Options

1. Adapter Mounting Options:
 - 0.25 Inch-20 UNC x 0.25 inch to 0.375 inch-24 UNF x 0.375 inch
 - 0.25 Inch-28 UNF x 0.25 inch to 0.375 inch-24 UNF x 0.375 inch
 - 0.75 Inch-10 UNC x 1.25 inches to 0.375 inch-24 UNF x 0.375 inch
 - 0.25 Inch NPT to 0.375 inch-24 UNF x 0.375 inch
 - 0.50 Inch NPT to 0.375 inch-24 UNF x 0.375 inch
 - Small V-Block, 1.6 x 1.6 inches
 - Large V-Block, 2.25 x 2.25 inches
 - Magnetic Mount
 - Union Mount
2. Capped Elbow Conduit Connector
3. Meters:
 - Integral, digital
 - Remote, analog or digital

