Model Number: 5335

**PERFORMANCE SPECIFICATION**

**HIGH TEMPERATURE VIBRATION MEASUREMENT SYSTEM**

**This family also includes:**

- **HIGH TEMPERATURE OPERATION**
- **EXTREME STABILITY OVER TEMPERATURE**
- **EXCELLENT LINEARITY**
- **HERMETICALLY SEALED**

**PHYSICAL**

- Weight, including cables, accel and amplifier: 14 oz (400 grams)
- Case Length: 1.19 inches (30.23 mm)
- Case Width: 1.33 inches (33.78 mm)
- Case Height: 0.76 inches (19.30 mm)
- Charge Amplifier Case length: 10.80 inches (278.92 mm)
- Diameter: Ø 0.68 inches (Ø 17.40 mm)
- Cable from accel. To chg.amp., Length: 86.61 inches (2199.89 mm)
- Mounting provision, Three - hole flange for 8-32 UNC-2A Screws
- Housing Material: 304L

**PERFORMANCE (SYSTEM)**

- Sensitivity, ±5%: 10 mV/g (1.02 mV/m/s²)
- Maximum Transverse sensitivity: ±5% F.S.
- Strain Sensitivity @ 250 µε: 0.022 g/µε

**ENVIRONMENTAL**

- Maximum Vibration: ±600 g’s peak
- Maximum Shock: ±2000 g’s peak
- Temperature Range (Accelerometer): -65 to 900 °F (-54 to 482 °C)
- Temperature Range (Charge Amplifier): -50 to 185 °F (-45 to 85 °C)
- Seal, (Accelerometer & chg.amp): Hermetic
- Coefficient of Thermal Sensitivity: 0.02 %/°F

**Electrical**

- Supply Current Range: 4 to 20 mA
- Compliance Voltage Range: 15 to 30 Volts
- Output Impedance, Typ: 100 Ω
- Bias Voltage: +7 to +9 VDC
- Discharge Time Constant, Nom: 0.1 Sec
- Output Signal Polarity for Acceleration Towards Top: Positive
- Electrical Isolation,Ground Wire to Case: 10 GΩ, min

**Notes:**

1. Measure at 100Hz, 1 Grms per ISA RP 37.2
2. Measure using zero-based straight line method, % of F.S. or any lesser range.
3. Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.

**Supplied Accessories:**

1. Accredited calibration certificate (ISO 17025)
2. (3) Mounting Screws, (Model 6535 8-32 UNC-2A)

**Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5335 for more information.**

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