793L Low-frequency accelerometer

500 mV/g, ±5% sensitivity tolerance, top exit accelerometer with extended low frequency response.

SPECIFICATIONS

- **Sensitivity, ±5%, 25°C**: 500 mV/g
- **Acceleration range**: 10 g peak
- **Amplitude nonlinearity**: 1%
- **Frequency response**: ±5%: 0.6 - 700 Hz; ±10%: 0.4 - 1,000 Hz; ±3 dB: 0.2 - 2,300 Hz
- **Resonance frequency**: 15 kHz
- **Transverse sensitivity, max**: 5% of axial
- **Sensitivity variation with temperature**: -50°C: -10%; +120°C: +10%
- **Power requirement**: Voltage source: 18 - 30 VDC; Current regulating diode: 2 - 10 mA
- **Electrical noise, equiv. g**: Broadband: 2.5 Hz to 25 kHz: 8.0 \( \mu \)g; Spectral: 2 Hz: 2.0 \( \mu \)g/√Hz; 10 Hz: 0.4 \( \mu \)g/√Hz; 100 Hz: 0.2 \( \mu \)g/√Hz
- **Output impedance, max**: 100 Ω
- **Bias output voltage**: 10 VDC
- **Grounding**: case isolated, internally shielded
- **Temperature range**: -50° to +120°C
- **Vibration limit**: 250 g peak
- **Shock limit**: 5,000 g peak
- **Electromagnetic sensitivity, equiv. g**: 20 \( \mu \)g/gauss
- **Sealing**: hermetic
- **Base strain sensitivity, max**: 0.0001 g/strain
- **Sensing element design**: PZT, compression
- **Weight**: 142 grams
- **Case material**: 316L stainless steel
- **Mounting**: 1/4-28 tapped hole
- **Output connector**: 2 pin, MIL-C-5015
- **Mating connector**: R6 type
- **Recommended cabling**: J9T2A
- **Accessories supplied**: SF6 mounting stud; calibration data (level 2)

Key features

- Certified versions available for use in hazardous areas (models 793LE and 793L-33)
- Manufactured in ISO 9001 facility

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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