Model 788A
General purpose accelerometer

Dynamic
- Sensitivity, ±10%, 25°C: 100 mV/g
- Acceleration range: 50 g peak
- Amplitude nonlinearity: 1%
- Frequency response:
  - ±10%: 3 - 8,000 Hz
  - ±3 dB: 1.5 - 12,000 Hz
- Resonance frequency: 25 kHz
- Transverse sensitivity: 2% of axial
- Temperature response:
  - -50°C: -7%
  - +120°C: +7%

Electrical
- Power requirement: voltage source: 18 - 30 VDC
  current regulating diode: 2 - 10 mA
- Electrical noise, equiv. g:
  - Broadband: 2.5 Hz to 25 kHz: 230 µg
  - Spectral:
    - 10 Hz: 20 µg/√Hz
    - 1 kHz: 4 µg/√Hz
    - 10 kHz: 1.4 µg/√Hz
- Output impedance, max.: 100 Ohms
- Bias output voltage: 12 VDC
- Grounding: case isolated, internally shielded

Environmental
- Temperature range: -50 to 120°C
- Vibration limit: 5,000 g
- Shock limit, min.: 500 g
- Electromagnetic sensitivity, equiv. g, max.: 50 µg/gauss
- Sealing: Hermetic
- Base strain sensitivity, max.: 0.0004 g/µstrain

Physical
- Sensing element design: PZT ceramic / flexure
- Weight: 45 grams
- Case material: 316L stainless steel
- Mounting: 1/4-28 UNF tapped hole
- Output connector: 2 pin, MIL-C-5015 style
- Mating connector: R6, R6Q
- Recommended cabling: J10 / J9T2A

Features
- Corrosion resistant
- Hermetic seal
- Ground isolated
- ESD protection
- Reverse wiring protection
- High performance to cost ratio

Notes:
1. Typical value
2. R6SL will not seal on 788A and is not recommended

Accessories supplied: SF6 mounting stud (International customers specify mounting requirements); calibration data (level 3)