Model 736/736T
Compact, high sensitivity, high frequency accelerometer

Dynamic
- Sensitivity, ±5%, 25°C: 100 mV/g
- Acceleration range: 50 g peak
- Amplitude nonlinearity: 1%
- Frequency response:
  - ±5%: 5.0 - 15,000 Hz
  - ±3 dB: 2.0 - 25,000 Hz
- Resonance frequency: 60 kHz
- Transverse sensitivity, max: 7% of axial
- Temperature response:
  - −50°C: −10%
  - +120°C: +5%

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: 150 µg
  - Spectral:
    - 10 Hz: 10 µg/VHz
    - 100 Hz: 2 µg/VHz
    - 1,000 Hz: 1 µg/VHz
    - 10,000 Hz: 0.8 µg/VHz
- Output impedance, max: 150 Ω
- Bias output voltage: 10 VDC
- Grounding: case grounded

Environmental
- Temperature range: −50 to 120°C
- Vibration limit: 500 g peak
- Shock limit: 5,000 g peak
- Electromagnetic sensitivity, equiv. g: 100 µg/gauss
- Base strain sensitivity: 0.005 g/µstrain

Physical
- Sensing element design: PZT ceramic / compression
- Weight: 13 grams
- Material: 316L stainless steel
- Mounting: 10-32 tapped hole
- Output connector: 10-32 coaxial
- Mating connector: R1
- Recommended cabling: J93

Features
- Wide dynamic range
- Compact construction to fit in tight spaces
- Wide frequency range

Accessories supplied: SF1 mounting stud (International customers specify mounting requirements); calibration data (level 3).

Due to continued research and product development, Wilcoxon Research reserves the right to amend this specification without notice.