The A/800 is the highest sensitivity accelerometer in the DJB range. Using multiple shear plates and large masses the 9000pC/g sensitivity makes it perfectly suited to seismic surveys and other micro g level measurement – virtual immunity to strain input side effects provides guarantee of low frequency, measurement integrity. System noise level of 10⁻²pC is equivalent to 1mg. With bandwidth restricted to 1 kHz, noise floor should be significantly below this.

Typical applications include:
- Building vibration surveys
- Ground vibration monitoring during construction or earth moving
- Large structure vibration measurement
- Bridge vibration measurement
- Medical instrument installation surveys

## Options:
- A/800 – Side entry
- A/800/T – Top entry
- A/800/TC – Top entry, TNC hermetic connector

## Specifications:

### Charge sensitivity
- Nom.: 0.92nC/(m/s²)
- Deviation: -5%@ - 50°C, +15%@ + 250°C

### Resonant frequency
- 4 kHz

### Typical Frequency Response
- ±5% from 0.2Hz – 1kHz
- ±10% from 0.7Hz – 2kHz

### Cross axis error
- ≤5%

### Capacitance
- 19/31 nF

### Temperature range
- -50/+250°C
- -58/+482°F

### Charge sensitivity deviation
- (20°C/68°F):
  - -5%@ - 50°C
  - +15%@ + 250°C
- -5%@ - 58°F
- +15%@ + 482°F

### Base Strain Sensitivity
- 0.0001g/μ strain

### Max continuous accn. g sine
- 4903m/s²
- 500g

### Case material
- s/steel 303 S31

### Mounting
- Base tapped ¼ UNF x 4mm deep
- Base tapped ¼ UNF x 0.16in deep

### Weight
- 429gm
- 15.1oz

### Case Seal
- Welded, hermetic connector (TNC)

### Connector
- TNC

### Size
- 38.1 (A/F) x 56.6mm
- 1.5 (A.F) x 2.22in

Please note: For information and reference only. Data should not to be used as pass / fail criteria for calibration purposes.