



# VA-2

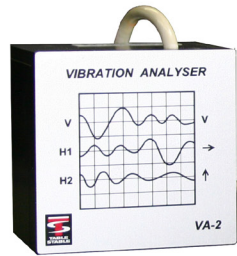
## Triaxial Vibration Accelerometer

Comprehensive Vibration Characterization for High Accuracy Research

### FEATURES

The VA-2 is a remote measurement head allowing for easy measurement of acceleration, velocity or displacement in three orthogonal directions:

- Three Axis Accelerometer Head
- Three Display Modes
  - Acceleration
  - Velocity
  - Displacement
- Adjustable Gain



### MODES OF DISPLAY

- Output Can Be Displayed Using:
  - Oscilloscope
  - FFT Analyzer
  - Computer with A/D Card
- Multiplexed output allows all three axes to be displayed simultaneously

### TECHNICAL SPECIFICATIONS

#### FREQUENCY RANGE:

- **Vibration:** 2 - 1000 Hz

#### WEIGHT:

- 2.2 Lbs (1 Kg)

#### SENSITIVITY PER VOLT:

- **Acceleration:** 10<sup>-3</sup> ~ 10<sup>-1</sup> g's
- **Velocity:** 2.54 x 10<sup>-6</sup> ~ 2.54 x 10<sup>-4</sup> in/sec
- **Displacement:** 2.54 x 10<sup>-8</sup> ~ 2.54 x 10<sup>-6</sup> in

#### DIMENSIONS:

- **Sensor Head:** 2.7 in (7 cm) cube
- **Controller:** 8.5 x 9 x 3 in (21.5 x 23 x 7.5 cm)

#### LIMITING SENSITIVITY:

- **Acceleration:** 1 x 10<sup>-6</sup> ~ 0.5 g's
- **Velocity:** 2 x 10<sup>-7</sup> ~ 1 x 10<sup>-3</sup> in/sec
- **Displacement:** 2 Hz - 20 Hz: 0.1µm - 0.01µm  
Above 20 Hz: 2 x 10<sup>-11</sup> ~ 1 x 10<sup>-5</sup> in

#### ACCURACY:

- ± 5% All Ranges



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