

VA-2

Three Axis Vibration Sensor



FEATURES

- 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	2 - 1000 Hz	
Sensitivity per volt	Acceleration	$10^{-3} \sim 10^{-1}$ g's
	Velocity	$2.54 \times 10^{-6} \sim 2.54 \times 10^{-4}$ in/sec
	Displacement	$2.54 \times 10^{-8} \sim 2.54 \times 10^{-6}$ in
Limiting Sensitivity	Acceleration	$1 \times 10^{-6} \sim 0.5$ g's
	Velocity	$2 \times 10^{-7} \sim 1 \times 10^{-3}$ in/sec
	Displacement	2 Hz - 20 Hz: $0.1 \mu\text{m} - 0.01 \mu\text{m}$ Above 20 Hz: $2 \times 10^{-11} \sim 1 \times 10^{-5}$ 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)	
Weight	2.2 lbs (1 kg)	
Accuracy	$\pm 5\%$ all ranges	

