

VIBRATION METER Servo Model-1200



Feature

Servo Vibration meter	MODEL-1200	1pc
Servo accelerometer	MODEL-2200	1pc
Instruction manual		1copy

Specification

Applicable Detectors	Model-2200 servo-type accelerometer
Measurement Range	
a) Acceleration	$\pm 0.03, 0.1, 0.3, 1.3, 10, 30 \text{ m/s}^2 \text{ FS}$
b) Velocity	$\pm 0.1, 0.3, 1, 3, 10, 30, 100 \text{ cm/sec FS}$
c) Displacement	$0.1, 0.3, 1, 3, 10, 30, 100 \text{ mm P-P FS}$
	Switchable in seven 10dB steps
Frequency characteristics	
	DC ACC: DC-100Hz $\pm 5\%$ max
	AC ACC: 1Hz-100Hz $\pm 5\%$ max
	AC VEL: 1Hz-100Hz $\pm 10\%$ max
	AC DISP: 1Hz-100Hz $\pm 10\%$ max
Accuracy	3% max. for AC 16Hz 10 m/s^2
DC Cancel	Zeroes the static acceleration for the "DC ACC"
	Measurement range plus/minus the $\pm 9.8 \text{ m/s}^2$ range

Low Pass Filter	-12dB/OCT with 3 ranges of 10Hz, 50Hz, OUT(250Hz)
Output calibration	Possible by (16Hz) oscillator built into power unit
Output	$\pm 1V/FS(10K\Omega)$, $\pm 5mA/FS(20\Omega)$
	AC 100V $\pm 10\%$ 50/60Hz 10VA
Dimensions, Weight	(W)120 \times (H)200 \times (D)200mm 3kg
Servo accelerometer Model-2200	
Measuring range	$\pm 50m/s^2$
Sensitivity	V/9.8(m/s ²)
Resolution	$2 \times 10^{-5}m/s^2$
Frequency response	DC-100Hz
Power requirement	$\pm 15V$
Temperature	-25-+60°C
Structure	Dust and moisture proof
Output Cable	3m with connector
Vibration	200m/s ² max.
Shock	1000m/s ² max.
Weight(without cable)	300g approx.

