

INTRODUCTION

This product adopts piezoelectric effect of artificial polarized ceramic for design. it is suitable for monitoring of all kinds of vibrating mechanical facility, specially the vibration measurement of rotating and reciprocating machinery. The unit can measure Acceleration, Velocity and Displacement. It also measures Temperature of the object under test.

APPLICATION

It is widely used in mechanical equipment manufacturing, motor installation and testing, electric power, metallurgy and general aviation field. Since this instrument can measure temperature up to 80°C, it becomes an ideal tool for mechanical engineers working on motors, generators or any fixed mounted rotating device..

FEATURES

- LCD displays measurement result and conditions directly
- Measures Acceleration (m/s² peak), Velocity (mm/s RMS) and Displacement (mm p-p)
- Selective vibration characteristic
- Uses hi- sensitive vibration sensor for accurate measurements
- Magnetic probe is provided, to be used for holding the sensor in un-easy conditions
- Equipped with two probe tips (SHORT and LONG) to adapt to the different measurement requirements
- Low battery Indication
- Auto Power-off
- Backlit LCD Display
- Maximum value Hold function
- Measures Temperature in °C /°F

SPECIFICATIONS

Technical parameter	Technical specification
Vibration pickup	Piezoelectric ceramic accelerometer (shear-type)
Acceleration Range	0.1~199.9m/s ² Peak
Velocity	0.1~199.9mm/s RMS
Displacement	0.001~1.999mm p-p, Velocity and Displacement range is limited by Acceleration199.9m/s2
Accuracy	±5% ±2digits
Measurement frequency range of Acceleration	10Hz ~ 1kHz (Lo) 1kHz ~ 15kHz (Hi)
Measurement frequency range of Velocity	10Hz ~ 1kHz (Lo)
Measurement frequency range of Displacement	10Hz ~ 1kHz (Lo)
Temperature Measurement Range	-10°C to 80°C
Temperature Accuracy	±2°C
Display Update Cycle	1 sec
LCD Display	3-1/2 Digits
Power Supply	9V battery
Stand-by Current	≤15μA
Operating Current	≤25μA
Battery Life	20 hours continuous use
Auto Power Off	Turns off automatically after 60 seconds
LCD Backlit	7 seconds
Operating Temperature Range	0 ~ 40°C
Operating Humidity Range	30 ~ 90% RH
Low Battery Indication	6.4V± 0.2V
Dimensions	70 x 30 x 150mm
Weight	137 gms (not including battery)



*Technical Specifications & Appearance are subject to change without prior notice