



## **SMART SENSOR – Digital Vibration Meter**

**Brand: Smart Sensor**

**Model: AS63A**



### **FUNCTIONS:**

Used for measuring periodic motion, to check the imbalance and deflecting of moving machinery, specifically designed for present measuring various mechanical vibration. So as to provide the data for the quality control, run time and equipment upkeep.

### **FEATURES:**

Vibration meter (also called vibration severity) uses Piezoelectric Acceleration Transducer transfer the vibration signal in to electrical signal, analyse the input signals, and show the Acceleration, speed, shift of the vibration. It is widely used in the lines of Power, petrochemical, machinery manufacturing, metallurgy, vehicles, etc.

## TECHNICAL SPECIFICATION:

<b>Measuring Principle</b>	Piezoelectric Ceramic Accelerometer (shear-type)
<b>Acceleration Range</b>	0.1~199.9m/s <sup>2</sup>
<b>Velocity Range</b>	0.1~199.9m/s
<b>Displacement Range</b>	0.001~1.999mm
<b>Acceleration Frequency Range</b>	10Hz~1KHz (LO) 1KHz~15KHz (HI)
<b>Velocity Frequency Range</b>	10Hz~1KHz
<b>Displacement Frequency Range</b>	10Hz~1KHz
<b>Accuracy</b>	±5%H ±2 digits
<b>Signal Output</b>	AC output 2V peak ( Display full scale )
<b>Max Hold Function</b>	-----
<b>Temperature Measurement</b>	-----
<b>°C/°FSelection</b>	-----