



### Vibration Meter Model AWA5936

#### FEATURES

- ⊙ Compact pocket vibration measuring instrument
- ⊙ Simultaneous measurement RMS, Peak, Peak-Peak for a, v, s
- ⊙ Power supply of batteries, convenient to use

#### USES

- ⊙ Machine vibration measurement
- ⊙ To measure acceleration, velocity (Vibration Severity) and displacement
- ⊙ Integrating measurement, calculated and display average vibration value



AWA5936

#### SPECIFICATIONS

Model	AWA5936
Name	Vibration Meter
Transduce	Piezo-Accelerometer, sensitivity: 1 pC/m·s <sup>-2</sup> (or other Sensitivity)
Input Socket	TNC socket
Measuring Range	Acceleration: 0.03 m/s <sup>2</sup> ~ 1000 m/s <sup>2</sup> Velocity: 0.03 mm/s ~ 10000 mm/s Displacement: 0.03 mm ~ 100 mm (for accelerator sensitivity 1 pC/m/s <sup>2</sup> )
Frequency Range(Hz)	Acceleration: 8 ~ 20 kHz    Velocity: 8 ~ 4 kHz    Displacement: 10 ~ 250 Hz
Frequency Weighting and Filter	Digital Filter realized parallel(simultaneous) acceleration, velocity and displacement
Detector	Parallel(simultaneous) RMS, Peak, Peak-Peak
Time Average	Parallel(Simultaneous) time weighting F(125 ms), S(1000 ms)and Integrating Average
Ranges	0 dB, 30 dB
Meas. Functions	Time weighting F instantaneous value, time weighting S instantaneous value, average value and 1s average value; RMS, Peak, Peak-Peak of acceleration, velocity and displacement; escape time (Tm)
Integrating Time	1 s to 24 h in step or set option
A/D	24 bit
Linearity	Acceleration: 80dB    Velocity: 100 dB    Displacement: 80 dB
Sample Frequency	48 kHz
Fundament Error	5 % (ref. 15.92 Hz)
Display	128×128 graphic LCD, with LED back-lit
Data Store	128 set average value and 1s average value
Output	AC, DC, USB (With SD)
Inner clock	Error: ≤1 min/month
Batteries	4×LR 6 or Ext. 5V Adaptor, Operation Current 120 mA, I <sub>max</sub> 200 mA
Dimensions(L×W×H)	260 × 80 × 30(mm)
Weight (kg)	0.4
Operation Temperature	-10 °C ~ 50 °C
Humidity	20 % ~ 90 % RH
Available Function	SD card large store capacity and record, record time: 1 s to 1 hour