

APPLICATIONS :

- Used for measuring periodic motion, to check the imbalance and deflection of moving machinery. Specifically designed for percent measuring various mechanical vibration, so as to provide the data for the quality control, run time and equipment upkeep.
- In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- Specially designed for easy on site vibration measurement of all rotating machinery for quality control, commissioning, & predictive maintenance purposes.
- Individual high quality accelerometer for accurate & repeatable measurements.
- It has the function of testing axle bearing vibration.

FEATURES :

- Use the high - performance acceleration meter, realize the repetitiveness and accurate measurement.
- Bearing condition monitoring function.
- LCD digital display.
- Lightweight and easy to use
- Wide frequency range (10Hz ~10kHz) in acceleration mode.
- AC output socket for headphones and recording.
- Optional head phones for use as electronic stethoscope.
- Can communicate with PC computer for statistics and printing by the optional cable and the software for RS232C interface .

GENERAL SPECIFICATIONS :

- **Display** : 4 digits, 18 mm LCD
- **Transducer** : Piezoelectric accelerometer
- **Parameters measured**: Velocity, Acceleration, and Displacement RPM and Frequency
- **Measuring range** :
 - Velocity : 0.01- 400.0 mm/s true RMS 0.000-16.00 inch/s
 - Acceleration : 0.1- 400.0m/s² equivalent peak 0.3 - 1312 ft/s²
 - Displacement : 0.001 - 4.000mm; 0.04 - 160.0 mil, equivalent pk-pk
 - RPM (r/min) : 60 - 99,990 r / min
 - Readings should be multiplied by 10 if the display show '10'.
 - Frequency: 1 - 20 kHz
- **Frequency range for measuring** :
 - Acceleration :10Hz ~ 1kHz In '1' mode;
10Hz ~ 10kHz In '10' mode for bearing condition check.
 - Velocity : 10Hz to 1kHz
 - Displacement : 10Hz to 1kHz
- **Accuracy**: ± 5% rdg + 2 digits
- **PC interface**: RS232C
- **Output**: AC output 2.0V peak full scale (load resistance : above 10k)
- **Power supply**: 4x1.5 AAA size (UM-4) batteries
- **Operating Temperature & Humidity** : 0-40°C; below 90% RH
- **Dimensions**: 124 x 62 x 30 mm
- **Weight** : Approx.120g (without batteries)

ACCESSORIES :

Powerful rare earth magnet, Accelerometer, Stinger probe (Cone), Stinger probe (Ball), Carrying case, Operation manual.

OPTIONAL ACCESSORIES :

Head phones for use as electronic stethoscope, Cable and software for RS232C.

Model KM 3961



Preliminary Data

All Specifications are subject to change without prior notice