DIGITAL VIBROMETER WITH PC INTERFACE Model - KM 3961



✶ **Display :** 4 digit backlight LCD display.

✶ **FUNCTIONS :**

- **Measuring Range :**

  Velocity : 0.01- 400.0 mm/s true RMS 0.000-16.00 inch/s

  Acceleration : 0.1-400.0m/s^2 equivalent peak 0.3-1312 ft/s^2

  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
- **Accuracy :** ± 5% rdg + 2 digits
- **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

✶ **ADDITIONAL FUNCTIONS :**

- **AC Output socket for head phones & recording.**
- **Transducer : Piezoelectric accelerometer**
- Can communicate with PC computer for statistics and printing by the optional cable and the software for RS232C interface .
- **Bearing condition monitoring.**

✶ **Power supply :** 4 x 1.5V AAA size battery

✶ **Dimension :** Approx. 140(L) x 70(W) x 31(H)mm

✶ **Weight :** Approx. 150 gm. (including battery & Probe)

✶ **Accessories :** Powerful rare earth magnet, Accelerometer, Stinger probe (Cone), Stinger probe (Ball), Carrying case, User Manual.

✶ **Optional Accessories :** Head phones for use as electronic stethoscope, Cable and software for RS232C.

DIGITAL ULTRASONIC THICKNESS GUAGE Model - KM 131D



The intelligent & hand-held ultrasonic thickness gauge is controlled by a microprocessor, which can measure thickness & sound speed of various materials quickly, accurately and without damage by ultrasonic measurement. This instrument is capable of accurate measurement for different materials or parts in industrial production, as well as monitoring pipelines & pressure vessels of production equipment, and corrosion degree of various parts in use. It can also be widely used in manufacturing, metal processing, commodity inspection & other testing areas. Any material that allows ultrasonic to transmit at a constant speed and that is distinguishable from waves reflected from the back side is applicable to this instrument.

✶ **APPLICATION SCOPE :**

The thickness of any good conductor for ultrasonic waves with top & bottom surfaces parallel to each other, like metal, plastic, ceramic & glass, can be measured with the instrument. For example : Aluminum, copper, gold, resin, water, glycerin, etc. The internal particles of cast iron are too big this instrument.

✶ **Display :** 4 Digit 9999 Counts backlight display

✶ **FUNCTIONS :**

- **Measuring Range :** 1.00 ~ 300.0 mm (Steel)
- **Data Storage :** 500
- **Operation Frequency :** 5MHz
- **Measurement error :** ±(0.5% rdg + 0.05)mm
- **Resolution :** 0.01mm (1.00 ~ 99.99mm)
  0.1mm (100 ~ 300mm)
- **Lower limit of pipe measurement :** Φ20 x 3mm (steel)
- **Temperature range :** 0 ~ 40°C
- **Adjustment range of sound speed :** 1000 ~ 9999m/s

✶ **Power supply :** AAA Alkaline x 3 batteries.

✶ **USB Charging :** 5V 1A

✶ **Dimension :** Approx. 65(L) x 146(W) x 30(H)mm

✶ **Weight :** Approx. 130 gm.

✶ **Accessories :** Sensor 1pc., Coupling agent-1 bottle, Calibration block.

DIGITAL COATING THICKNESS GAUGE FOR FERROUS & NON-FERROUS BASE MATERIAL WITH PC SOFTWARE MODEL-KM-EP-770P1



✶ **Display :** 128 * 128 dot matrix LCD display, standard menu operations.

APPLICATION :

The instrument will select the F/N mode automatically. Coating thickness testing for car paint, electroplating, surface technology, pipeline anticorrosion coating, mechanical equipment surface anticorrosion, chemical equipment and quality control.

✶ **FUNCTIONS :**

- **Probe :** Probe F ; Probe N
- **Measuring Principle :**Magnetic induction;Eddy Currents
- **Measuring range :** 0 to 2000µm (0 to 78.7mils)
- **Accuracy :** ±(2.5% + 1µm); ±(2.5% + 0.039 mils)
- **Resolution :** 0µm ~ 99.9µm(0.1µm); 100µm ~ 999µm(1µm); >1000µm(0.01mm)
- **Calibration :** One point to four point calibration, Zero point calibration
- **Data Group :**
  One direct group (readings cannot be stored to memory)
  Four general groups (max. 320 readings stored)
  NOTE : Each group have individual statistics, alarm limit settings & calibration.
- **Statistics:** No. of readings, mean, minimum, maximum & standard deviation
- **Units :** µm, mm, mils
- **Minimum curvature radius convex :** 5mm
- **Minimum curvature radius concave :** 25mm
- **Minimum measuring area :** Diameter 20mm
- **Minimum thickness of substrate :** 0.2mm, 0.05mm
- **Maximum measuring rate :** Two readings per second
- **Computer interface :** Download data via USB

✶ **SAFETY :** CE ROHS FCC ISO2178 ISO2360

✶ **ADDITIONAL FUNCTIONS :**

- **Two measure mode :** Single & continuous
- **Two group mode :** direct (DIR) & General(GEN), readings will be lost when power off in direct mode, & not be lost in general mode. Readings can be stored for each group.
- Zero point calibration & multi-point calibration (up to 4 points) for each group.
- User can recall, delete specified readings, or delete group readings.

✶ **Power Supply :** Two 1.5V AAA battery

✶ **Dimension :** Approx.110 x 53 x 24mm

✶ **Weight :** Approx. 80g.

✶ **Accessories:** User Manual, Battery, Substrate, USB Cable Software CD, Standard Foil & Carrying Case.