



ENTRON Heavy Duty Vibration Meter with Infrared Thermometer and Memory
-measures PEAK values and degrees Celsius with Electronic Stethoscope

Model EN210-IR-KIT

EN-210-IR Measures vibration levels in peak values and will also measure surface temperature with its built-in infrared thermometer. The unit features memory with static RAM (retains data even without power). The MAX HOLD button also helps to hold the maximum value on the display, and will increase only with increasing values. This is an overall vibration meter and electronic stethoscope and is an ideal tool for cost effective predictive maintenance. This meter will record up to 100 data points and you can conveniently readout the stored values directly on the backlit graphic LCD display. Test roller bearings and also apply lubrication correctly by using the stethoscope feature to enhance machinery reliability. Compare your vibration results by using the ISO 10816-1 Severity Chart which is built-in right on the front of the meter. Now features USB charger, will charge from the supplied charger, or any convenient USB port.



Features:

- Measures vibration in: Acceleration: 20 G's., Velocity: 200 mm/s and Displacement : 200 μm.
- ISO 10816-1 severity chart on front panel for easy pass/fail test of machinery.
- Records up to 100 data points and can directly readout on the LCD display.
- Remote ICP[®] powered accelerometer, **Made in USA**. Uses MIL std. connector and magnetic adapter on 10 ft. retractable coil cable., 3 meters extended, 0.5 meters retracted.
- **Peak Value** measurement mode.
- Electronic Stethoscope – used with Included headphones for listening to the sound of roller bearings. This helps to find bearings that needs to be greased and also find other rolling element that needs lubrication.
- Easy recharging from any standard USB port or use included charger.



Specifications:

Units	Range
Acceleration	0 ~ 20 G's
Velocity	0 ~200 mm/s
Displacement	0 ~200 μm.
IR Temperature	0 ~ 300°C
Modes	Peak, Hold, or Max Hold.
Data Storage	100 readings manually.
	Large backlit graphic LCD



AMET Co., Ltd. (South East Asia.)

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General Specifications

- IR Thermometer: $\pm 2\%$ or $2^{\circ}\text{C} < 100^{\circ}\text{C}$.
- Vibration accuracy All Ranges: $\pm 1\% + 3 \text{ LSD}$.
- Frequency Ranges:
Acceleration.....: 5 Hz to 20 kHz.
Velocity.....: 5 Hz to 1 kHz.
Displacement....: 20 Hz to 1 kHz.
- Display Indications:
Graphic LCD with Backlighting.
- Power Supply:
Lithium Ion rechargeable battery x 2 with protection circuit.
Battery charge interval: once per week typical.
Battery Lifetime: 500 charge cycles. 2.0 to 3 years typical.
- Environmental:
Meter: -10°C to 50°C ., Sensor : -10°C to 70°C .
- Physical:
Dimensions: 152 x 83 x 32 mm.. Weight: 1.2 kg (complete kit).
- Standard Accessories All Included:
 - ✓ EN-210-IR meter with Soft carrying case
 - ✓ IEPE Standard Accelerometer on 3 meter Retractable cable,
 - ✓ Auto USB built-in Recharger with red and green charging LED.
 - ✓ Industrial type Noise Reducing Headphones
 - ✓ Rare Earth Al-Ni-co magnet and Stainless Steel Stinger Probe.
 - ✓ Instruction manuals in English and Thai language.
 - ✓ NIST Traceable Calibration Certificate.

- Vibration Sensor:
IEPE Piezoelectric Accelerometer 100 mV/G.
- Output:
Audio: (3.5 mm) mini plug for headphones.
Sensor power: 28 V. DC. @ 2 mA.



Audio Output for Headphones



BNC Input for Accelerometer



USB Battery Charging Jack.

■ **Price and ordering information.**

EN-210-IR-KIT Vibration Meter. Includes Vibration meter, and all Standard Accessories.

Price: USD\$995.00.

- **Warranty Information:** The vibration meter is unconditionally warranted for Normal use for period of 5 years from date of purchase.

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