



Measures RMS, PEAK, CREST Factor and °C – with on screen diagnostics and ISO alarms.

EN-212-IR Measures vibration levels in rms and peak in metric and imperial units as well as non-contact infrared temperature in °C and stores data for later review. Four - level user configurable alarm displays severity scale directly on screen per ISO 10816-1. The MAX HOLD button also helps to hold the maximum value on the display, and will increase only with increasing values. This 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. Set your machine class and take your measurements. The meter will do the rest by automatically comparing your measured value with the ISO 10816-1 standard and displaying severity levels on-screen. Uses USB port or supplied charger for recharging.

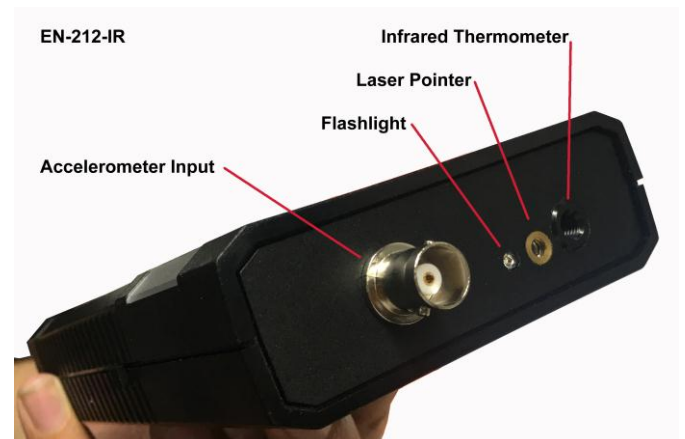
Features:

- Measures vibration in: Acceleration: 656ft/s² or 200m/s², or 20 G's., Velocity: 7.87 in/s or 200 mm/s and Displacement : 200 μm., Crest Factor: 16.0., and non-contact infrared temperatures up to 300 °C.
- ISO 10816-1 severity chart on front panel for easy pass/fail test of machinery.
- IR thermometer with laser spot for increased diagnostic capability.
- RMS or Peak Value with Crest Factor measurement mode.
- Records up to 100 data points and can directly readout on the LCD display.
- Flashlight for making measurements in dark locations.
- Remote ICP[®] powered accelerometer, **Made in USA**. Uses MIL std. connector and magnetic adapter on retractable coil cable., 3 meters extended, 0.5 meters retracted.
- Built-in user configurable 4 level ISO alarm with direct on-screen display alerts user of dangerous vibration conditions, display "GOOD", "SATISFACTORY", "UNSATISFACTORY", and "UNACCEPTABLE"
- Self diagnosis feature ensures proper sensor connection, detects shorts or open in sensor cable.
- 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:

EN-212-IR-KIT	VIBRATION METER
Acceleration	0 ~ 200 m/s ² , 20 G's, 656 ft/s ²
Velocity	0 ~200 mm/s, 20 cm/s,7.87 in/s
Displacement	0 ~200 μm.
Crest Factor	1.0 ~ 16.0
Temperature	0 ~ 300 deg. C (EN-212-IR)
Modes	RMS,Peak, or Max Hold measurement
Data Storage	100 readings manually.
	Max Hold/Hold/Max Value & Auto off.





ENTRON Heavy Duty Vibration Meter & IR Thermometer with Electronic Stethoscope

Measures RMS, PEAK, CREST Factor and °C – with on screen diagnostics and ISO alarms.

General Specifications

- 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.
- Infrared Thermometer accuracy: $\pm 2^\circ\text{C}$
- Infrared Thermometer distance to spot size ratio: 8:1.
- 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).
- Complete KIT includes accessories as follows:
 - ✓ EN-212-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.

Price and ordering information.

EN-212-IR-KIT Vibration Meter. Includes Vibration meter, and all Standard Accessories.

Price: USD \$1,695.00.

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

- 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.



Supplied as complete KIT

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