



ENTRON Heavy Duty Vibration Meter & Electronic Stethoscope. Model EN-212-KIT

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

EN-212 Measures vibration levels in RMS and PEAK in metric and imperial units as well as CREST Factor and can store data in memory 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 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 backlighted graphic LCD display. Test roller bearings and also apply lubrication correctly by using the stethoscope feature to enhance machinery reliability. Set your machine class, either class I,II, III or IV 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. Now features USB charger, will charge from the supplied charger, or any convenient USB port.

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., and Crest Factor: 16.0
- Built-in user configurable 4 level ISO alarm with direct on-screen display alerts user of dangerous vibration conditions, displays of "GOOD", "SATSFATORY", "UNSATISFACTORY", and "UNACCEPTABLE"
- 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 retractable coil cable., 3 meters extended, 0.5 meters retracted.
- RMS or Peak Value with Crest Factor measurement mode.
- 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-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
Modes	RMS,Peak, or Max Hold measurement
Data Storage	100 readings manually.
Special features	Max Hold/Hold/Max Value & Auto off.





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General Specifications

- 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 month minimum recommended.
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).

- 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

- Standard Accessories All Included:
 - ✓ EN-212 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.



BNC Input for Accelerometer

- Price and ordering information.
EN-212-KIT Vibration Meter. Includes Vibration meter,
and all Standard Accessories.
Price: USD \$1,563.00.

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



USB Battery Charging Jack.