



EN-244 Bearing Condition & Infrared Temperature Meter is specifically designed for providing a better overall condition of plant machinery. Elevated temperatures are a sure sign of impending problems, and the EN244 incorporates a non-contact infrared thermometer with laser pointer to help spot problems, and in addition to this, the EN-244 measures acoustic bearing noise above 2 kHz and up to 20 kHz and converts it to a digital scale of bearing vibration in units of Bg, allowing plant engineers to closely monitor the condition of roller bearings in rotating machinery, and to correct defects in a timely manner to avoid machine downtime. The meter has ample memory for storing data for later readout directly on the meter. The MAX HOLD button also helps to hold the maximum value on the display, changing only if a greater value occurs. This is an overall bearing condition meter that also measures vibration in rms values to conform with ISO10816-3, and also includes an electronic stethoscope. This is an ideal tool for predictive maintenance of rotating machinery. 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 apply lubrication correctly by using the stethoscope feature to enhance machinery reliability. Compare your vibration results by using the ISO 10816-3 Severity Chart which is built-in right on the front of the meter.



Features:

- Measures Bearing Condition as well as Acceleration and Velocity with convenient ISO 10816-3 severity chart, and Records 100 data points and recall on LCD display.
- Infrared thermometer with laser pointer for tracking surface temperatures of machinery.
- Remote icp powered accelerometer, Made in USA. With MIL std. connector on retractable coil cable., 3 meters extended, 0.5 meters retracted.
- 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 to find other rolling element that needs lubrication.
- Will charge from any standard USB port of PC computer, or use included charger.
- HOLD/MAX HOLD/MAX button locks the maximum value for easy reading, also records the maximum value measured.





Specifications:

EN-244-KIT	Bearing Condition + IR Thermo + Electronic Stethoscope
Velocity	0 ~200.0 mm/s (rms)
Bearing Condition	0 ~20.0 Bg. (rms)
Temperature	0 ~ 300 deg. °C.
Accuracy:	Vibration: $\pm 1\% + 3 \text{ LSD}$
	Bearing Condition: $\pm 3\% + 3 \text{ LSD}$
	IR Thermometer: $\pm 2 \text{ }^\circ\text{C}$ (0 - 100 °C)
Frequency Ranges:	Vibration: 5 ~ 1,000 Hz.
	Bearing Condition: 5 ~ 20 kHz
Memory	100 data points
Display	132 x 48 graphic LCD with Backlight.
Power Supply	2 cell Rechargeable Li-Ion battery, AA size. With protection circuit.
Battery Life	20 Hrs continuous before recharge
Vibration Sensor	Piezoelectric Accelerometer 100 mV/G.
Output	Audio: (3.5 mm) mini plug for headphones. 8 Ω Impedance.
Sensor power	28 V. DC. @ 2 mA.
Battery Lifetime	500 charges or 2 to 3 years of usage.
Environmental:	Meter: -10°C to 50°C
	Accelerometer -10°C to 70°C .
Physical:	Dimensions: 152 x 83 x 32 mm., 1.2 kG.
Warranty	EN-244 Meter Unconditionally warranted for 5 years from date of purchase.



Audio Output for Headphones



BNC Input for Accelerometer



USB Battery Charging Jack.



Retractable coiled cable extends to 3 meters.

Standard Accessories All Included:

- ✓ EN-244 Meter with Soft carrying case.
- ✓ USB Recharger auto red and green charging LED.
- ✓ Industrial type Noise Reducing Headphones
- ✓ Rare Earth Al-Ni-co magnet and Stainless steel Probe.
- ✓ IEPE Standard Accelerometer on Retractable cable
- ✓ Instruction manuals in English & Thai language.,
- ✓ NIST Traceable Calibration Certificate.

■ **Price and ordering information.**

EN-244-KIT Bearing Condition + IR Thermometer with Electronic Stethoscope complete with all standard accessories

\$875.00.