

Digital Vibration Meter

Essential meter for preventive maintenance

- Lightweight, portable handheld meter
- Easy-to-read, large LCD
- State-of-the-art digital solid-state circuitry
- Rugged, high-impact polystyrene case
- Easy-to-use pushbutton operation
- Audio output and optional headphones

Applications

- Fans, motors, pumps, and compressors
- Condition monitoring
- Rotating machinery
- Preventive maintenance

SPECIFICATIONS	
Amplitude range	
English	0.001 to 199 mils (peak-to-peak) displacement 0.001 to 199 in./s (peak) velocity 0.001 to 199 g's (peak) acceleration
Metric (200 m)	Displacement micrometers (µm) peak-to-peak Velocity millimeters-per-second (mm/s) peak
Range*	Four selectable ranges with over-range indication for each range High range: 200 = 0 to 199.9 Medium range: 20 = 0 to 19.99 Low range: 2 = 0 to 1.999 Very low range: 0 to 199.9
Sensitivity	
Displacement	0.00001 in. (0.001 mil) (1 micro-inch) (0.0254 µm)
Velocity	0.001 in./s (0.02 mm/s)
Acceleration	0.001 G
Accuracy	±5% FS
Frequency range	180 to 120,000 rpm (3 to 2,000 Hz) using model 158 pickup
Display	3½-digit, numeric LCD (with low battery indicator)
Input	Model 158 vibration velocity transducer
Output	Headphones or signal output
Dimensions (W x H x D)	7½" x 3½" x 1¾" (195 x 101 x 44 mm)
Power	One 9 V battery
*Note: very low range in 0.001 g, 0.001 in./s, and micro-in. units	



What's included: Vibration pickup, 6 ft (1.8 m) retractile coil cord, magnetic pickup base, 7" (178 mm) probe tip, carrying case, and 9 V battery.

Catalog No.	Model No.	Description
TS-98863-13	200	Digital vibration meter kit
Accessories		
TS-98863-12	033	Headphones
TS-09386-04	—	Replacement batteries, 9 V. 4/pk
TS-17101-66	—	NIST-traceable calibration with data

Electronic Stethoscope

Machinery noise easily located in normal industrial environments

This practical maintenance aid lets you eavesdrop on mechanical sounds within machinery—an essential need for any maintenance department. Mechanical faults can often be heard. The problem is to locate the sound source quickly and accurately in a generally noisy environment. The electronic stethoscope is a sensitive listening stick, for location of all kinds of machinery noise. Valve chatter, tappet noise, piston slap, gear and pump noise and the operation of relays and solenoids are just a few of the many noises that can be traced, amplified and accessed with this device.

- Sound amplification with volume control
- Headset combined with ear defenders to cut out background noise
- 9 V battery for about 30 hours continuous operation

What's included: 60- and 290-mm probe tips, instrument case, and 9 V battery.



Catalog No.	Model No.	Description
TS-98837-00	ELS-12SET	Electronic stethoscope
Accessories		
TS-09386-04	—	Replacement batteries, 9 V. 4/pk