

Vibration Meter & Electronic Stethoscope

Ideal for predictive maintenance

This is an easy-to-use battery operated portable vibration meter. Simply place the accelerometer (magnetic mount or stinger probe) onto machinery bearing caps and push the single button. Take readings of:

- Acceleration—use for higher frequencies (gear mesh) from 0.01 to 19.99 g
- Velocity (in./s and mm/s)—use for rotations <6000 rpm from 0.01 to 19.99 in./s or 0.1 to 199.9 mm/s.
- Acceleration enveloping—high pass filter which helps detect bearing/gear defects and lubrication problems from 0.01 to 19.99 g.
- Maintenance professionals will use headsets (stethoscope) and volume control to listen and identify specific bearing problems and to compare digital values on the display to vibration severity chart on meter.

Software Features

Reduce analysis time with this easy-to-use software. This trending software permits manual entry of data (vibration, speed, temperature, pressure, etc.). Software then does the trending and alarms in graphical format. Trends will tell you when to schedule shut downs for bearing replacement rather than fixing problem after a failure. Operating system requirements: Windows® 95/98/XP/NT4.0 (not Windows 2000).



System 98844-08



98844-08

SPECIFICATIONS	
Range (RMS)	Accel: 0.01 to 19.99 g; Vel: 0.01 to 19.99 in./s or 0.1 to 199.9 mm/s; Envelope: 0.01 to 19.99 ge(Pk)
Display	3½-digit LCD
Sensor	Piezo accelerometer: 100 mV/g 12 VDC at 2 mA power
Frequency	Overall: 10 Hz to 10 kHz; Envelope: 0.5 kHz to 10 kHz
Output	Audio 3.5 mm mini plug
Dimensions (L x W x H)	6½" x 3½" x 1¼" (152 x 83 x 32 mm)
Power	Two AA batteries
Battery life	20 hrs continuous with no headphones

What's included: 100 mV/g industrial accelerometer with cable/BNC connector, magnetic base, ¼" x 28 connecting stud, 4½" (114 mm) stinger probe, stereo headphones, machinery data worksheet book, nylon carrying case, two AA batteries. Model 6400-014 includes GP Lite On-Time software; model 6400-010 includes GP software with unlimited points.

Catalog No.	Model No.	Description
TS-98863-25	6400-014	Vibration meter kit with GP Lite software (300 data points)
TS-98844-08	6400-010	Vibration meter system with GP software (unlimited points)
TS-98844-03	6400-011	Vibration meter kit without software
Accessories		
TS-09386-01	—	Replacement batteries, AA. 4/pk
TS-17111-66	—	NIST-traceable calibration with data

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