

EXAMINER 1000

Vibration Meter

Features:

- One-button operation for easy use
- Front panel severity chart provides instant assessment of vibration
- Multiparameter readings gives the power to trend defects and avoid unplanned repairs
- Electronic stethoscope let's you hear what you see from the digital display

Typical Uses:

- Trending overall vibration readings in process equipment such as:
 - · Rolling element bearing
 - Motors AC/DC
 - Pumps
 - Gearboxes
 - Compressors
 - Fans
- Detecting vibration to determine dynamic conditions such as balance, bearing defects, and lubrication



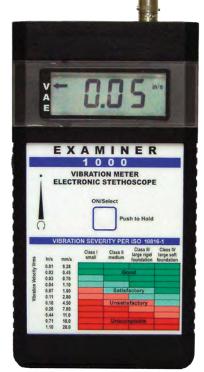












The **EXAMINER 1000** is designed to be used with vibration limits established in ISO Standard 10816 to help you detect signs of malfunction or changes in rotating machinery during operation. This is accomplished with overall vibration (ISO VIB) and envelope measurements. Problems with bearings occur when there is a microscopic crack or flaw or when there is a breakdown in lubrication which leads to metal-to-metal interaction. The EXAMINER 1000 is designed to detect flaws or a lack of lubrication in bearings and gears at an early stage by measuring the high-frequency impacts through acceleration envelope methods.







EXAMINER 1000 Vibration Meter

Specifications*	EXAMINER 1000 Vibration Meter				
Vibration Sensor	Piezoelectric accelerometer 100 mV/g with magnetic base, probe and 5 ft. cable to BNC				
Display	LCD 3.5 digits Indicators: Measurement, Hold, Low Battery, Units of Measure				
Measurement Range	Acceleration: 0.01-19.99 g (RMS) Velocity: 0.01-19.99 in/sec, 0.1-199.9 mm/sec (RMS) Envelope: 0.01-19.99 gE (peak)				
Francisco Danas	Overall: 10 Hz - 10 kHz				
Frequency Range	Envelope: 0.5 kHz - 10 kHz				
	Sensor excitation: 18 V dc @ 2 mA (BNC)				
Output	Audio output: 3.5 mm mini plug; 250 mW into 8 ohms, 150 mW into 32 ohms; adjustable volume control with off position				
Power	Two (2) AA cells				
Operating Time	20 hours continuous without headphones				
Operating Conditions	-14 °F to 122 °F / -10 °C to 50 °C				
Woight	Instrument: 7 oz. [0.19 kg]				
Weight	Complete kit: 2.85 lbs. [130 kg]				
Dimensions	6.3 in. x 3.3 in. x 1.25 in. / 152 mm x 83 mm x32 mm				

*Specifications are subject to change without notice.

VIBRATION SEVERITY PER ISO 10816-1								
Machine			Class I small	Class II medium	Class III large rigid	Class IV large soft		
	in/s	mm/s	machines	machines	foundation	foundation		
	0.01	0.28						
	0.02	0.45						
	0.03	0.71		Go				
, s	0.04	1.12						
Vrm	0.07	1.80						
Vibration Velocity Vrms	0.11	2.80		Satisfa				
on Ve	0.18	4.50						
ibrati	0.28	7.10		Unsatis				
>	0.44	11.2						
	0.71	18.0						
	1.10	28.0		Unacce				
	1.77	45.0						

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Ordering Information					
Examiner 1000 Kit	6400-011				
Includes Vibration Meter, batteries, accelerometer and integrated cable, magnetic base, stinger probe, stereo headphones, field carrying case, and Machinery Data Workbook					
Examiner 1000 Kit with NIST	6400-011-CAL				
Same as above and NIST Certificate					
Examiner 1000 Meter	6400-012				
Vibration Meter only; batteries included					
Examiner 1000 Meter	6400-012-CAL				
Vibration Meter only; batteries included and NIST Certificate					

To order, see product webpage for details.

