**Examiner 1000** overall vibration meter and electronic stethoscope is the ideal tool for cost-effective predictive maintenance. This meter is simple to operate with only one button and volume adjustment. Troubleshoot bearings and lubrication with the digital LCD and stethoscope features to enhance machinery reliability. Compare your vibration results by using the ISO 10816 Severity Chart right on the meter. **N.I.S.T. traceable calibration is available.**

**Features:**
- Electronic Stethoscope-troubleshoot while listening to the bearing
- Measure vibration in:
  - **Acceleration**- perfect for high-speed applications
  - **Velocity-** in English or Metric per ISO 10816
  - **Acceleration Envelope** -high-pass filter method

| SPECIFICATIONS | | EXAMINER 1000 |
|---|---|---|
| Amplitude Ranges | Acceleration:<br>Velocity:<br><br>Envelope: | 0.01 to 19.99g (RMS)<br>0.01 to 19.99 in/sec (RMS)<br>0.1 to199.9 mm/sec (RMS)<br>0.01 to 19.99 ge (PEAK) |
| Frequency Ranges | | Overall: 10 Hz to 10 kHz<br>Envelope: 0.5 kHz to 10 kHz |
| Display Indications | | LCD 3.5 digit with Measurement,<br>Hold and Low Battery |
| Vibration Sensor | | Piezoelectric Accelerometer<br>100 mV/g |
| Output | | Audio: (3.5 mm) mini plug<br>Sensor Power: 12 Vdc @ 2 mA |
| Power | | (2) "AA" cell batteries |
| Operating Time | | 20 hours continuous without phones |
| Environmental | | -14 to 122 °F (-10 to 50 °C) |
| Dimensions | | 6.3 x 3.3 x 1.25" (152 x 83 x 32 mm) |
| Weight | | 2.85 lbs (1.30 kg) |



Example Applications:
- Bearings
- Gearboxes
- Lubrication
- Pumps
- Motors
- Fans

Examiner 1000

### VIBRATION SEVERITY PER ISO 10816-1

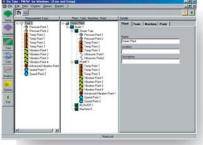| Machine | | Class I<br>small<br>machines | Class II<br>medium<br>machines | Class III<br>large rigid<br>foundation | Class IV<br>large soft<br>foundation |
|---|---|---|---|---|---|
| in/s | mm/s | | | | |
| 0.01 | 0.28 | | | | |
| 0.02 | 0.45 | | | | |
| 0.03 | 0.71 | | good | | |
| 0.04 | 1.12 | | | | |
| 0.07 | 1.80 | | | | |
| 0.11 | 2.80 | | satisfactory | | |
| 0.18 | 4.50 | | | | |
| 0.28 | 7.10 | | unsatisfactory | | |
| 0.44 | 11.2 | | | | |
| 0.70 | 18.0 | | unacceptable | | |
| 1.10 | 28.0 | | | | |
| 1.77 | 45.9 | | | | |

*Vibration Velocity Vrms*

Overall Vibration Severity Chart, located on the front panel of the Examiner 1000, provides instant status of measured machinery.
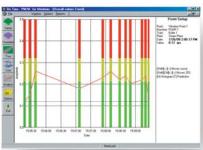


Examiner 1000 Kit with OnTime Trending Software

**OnTime Trending Software** is a simple-to-use, graphical program designed for condition-based maintenance through the routine trending of vibration and process information. Trending is the best method to judge the dynamic operating conditions of your machinery. **OnTime** helps you to manage all key machinery operating conditions.
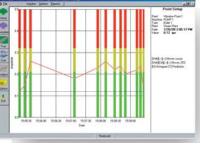**Trend:**
- **overall vibration readings**
- **temperature**
- **speed**
- **process measurements of any type**

**OnTime** is easy to set-up. Building the user-defined database of collection points is simple and intuitive. Construct entire Plants with complex machines and data collection points in minutes. Cut, paste, copy and edit-all the familiar windows features are here.
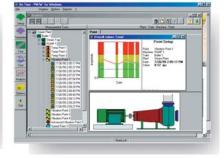
**OnTime** graphically displays automatically built trends of the data entered. User defined alarms are set and if violated, an immediate visual alarm is displayed in the software. This allows for instant identification of machines which require corrective action. Compare any type of data.







OnTime software does not work with Windows 2000 OS.

Ordering Information
**Examiner 1000 System** Vibration Meter, Sensor Pak, Headphones, Carrying Case, OnTime GP Software
**Examiner 1000 Kit** Vibration Meter, Sensor Pak, Headphones, Carrying Case and OnTime GPlite Software
**Examiner 1000** Vibration Meter with Sensor Pak, Headphones, Carrying Case, No OnTime Software included
**OnTime GP Software** for Windows 95/98, XP and NT 4.0