EXAMINER 1000 and ON-TIME TRENDING SOFTWARE

Affordable Predictive Maintenance Solutions





MONARCH MONITORING

Affordable Predictive Maintenance Solutions

Vibration Meter and Electronic Stethoscope



EXAMINER 1000 Made in the USA (

The EXAMINER 1000 is a hand-held, battery powered, overall vibration meter and electronic stethoscope. The EXAMINER is ideal for use in predictive maintenance programs aimed at improving machinery reliability and enhancing productivity. This lightweight, cost effective meter provides the most common features required for overall vibration severity testing per ISO 10816.

"Hear what you feel." A Craftsman's experience is hard to replace. The EXAMINER 1000 is a digital electronic stethoscope providing the human interface needed to understand and confirm vibration values on the display. The provided headphones allow the Craftsman to use techniques they already know to gain confidence in the use of the EXAMINER and vibration trending techniques.



EXAMINER 1000 includes:
Digital Vibration Meter and Electronic Stethoscope
Accelerometer with integral cable
Ballistic Nylon Field Case
Machinery Data Workbook
Operators Manual
Magnetic base
Stringer probe
Headphones

Applications

- Rolling Element Bearings
- Motors AC/DC
- Pumps

- Gearboxes
- Compressors
- Fans

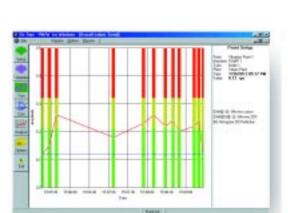
Overall Vibration Severity Chart provides instant status of measured machinery.

VIBRATION SEVERITY PER ISO 10816						
Machine			Class I	Class II	Class III	Class IV
	in/s	mm/s	small machines	medium machines	large rigid foundation	large soft foundation
s	0.01	0.28				
	0.02	0.45				
Ē	0.03	0.71		go	od	
>	0.04	1.12				
Cj.	0.07	1.80				
응	0.11	2.80		satisfactory		
>	0.18	4.50				
<u>.</u>	0.28	7.10		unsatis	factory	
Vibration Velocity Vrms	0.44	11.2				
	0.70	18.0				
	0.71	28.0		unacce	ptable	
	1.10	45.0				

ON-TIME TRENDING SOFTWARE

32-bit Condition Monitoring Software Program

On-Time Trending Software is a simple-to-use, graphical program designed for complete condition-based maintenance. Users log entries into the system for any type of measurement. Set alarm levels and be instantly notified upon any violation. Users can build multiple databases with all the familiar ease of the Windows operating system. On-Time will support virtually any type of graphics-Spectrograms for lubricant analysis, Thermographs from digital infrared cameras, scanned images and digital camera shots, even paint program images or any BMP format.



Powerful Data Management

On-Time software manages all the key machinery operating conditions measured by the EXAMINER 1000 or any meter. Manual entry of overall vibration (ISO), envelop, speed, temperature, pressure, load, amperes, you name it!



We speak your language

On-Time is available in English and Spanish versions. There is support for a universal language editor for additional languages. On-Time software is Y2K compliant. Need to upgrade? Connect to www.monarchmonitoring.com for more information.

On-Time provides all the tools needed to store, compare and trend measurements along with maintenance notes, in one, easy-to-use graphical software. On-Time is modular with three different levels: **GP** (**general purpose**) entry-level for use with simple instruments like temperature meters, tachometers and even digital multi-meters. **CM** (**condition monitoring**) used with predictive maintenance programs which include vibration measurements. **MA** (**machinery analysis**) advanced features support FFT signature analysis and data collection with availability of protocols and an open database structure.

See the Results

Graphic trends are automatically built and displayed with user set alarms. Instant machinery condition is visually presented, you know exactly which machines are in violation. Scroll through each point to see the value and date time group displayed.



Plan your work

Save maintenance dollars by working on the equipment that needs attention. Forecast trending allows planned outages and accurate/timely spare parts ordering. Minimize unplanned maintenance.

EXAMINER 1000 and ON-TIME TRENDING SOFTWARE

Technical and Ordering Information

Technical Data EXAMINER 1000					
Vibration Sensor	Piezoelectric accelerometer 100 mV/g				
Display	LCD 3.5 digit with measurement, hold				
	and low battery indicators				
Range	Acceleration: 0.01 to 19.99 g (RMS)				
	Velocity: 0.01 to 19.99 in/sec (RMS)				
	Envelop: 0.01 to 19.99 ge (PEAK)				
Frequency	Overall: 10 Hz to 10 kHz				
Range	Envelop: 5 kHz to 10 kHz				
Output	Audio (3.5 mm) mini plug,				
	Sensor Power: 12 vdc @ 2mA				
Power	(2) Alkaline "AA" cell batteries				
Operating Time	20 hours continuous without phones				
Weight	2.85 lb (1.30 kg) Complete Kit				
Dimensions	6.3 x 3.3 x 1.25" (152 x 83 x 32 mm)				
Operating	-14° to 122°F (-10° to 50°C)				
Conditions					

Ordering Information						
Product	Item No.	Description				
EXAMINER 1000	6400-010	Overall meter display				
SYSTEM includes		unit with Sensor Pak,				
On-Time software		Headphones and On-				
		Time software, field				
		case and User Manual				
EXAMINER 1000	6400-011	Same as above				
without On-Time		without software				
EXAMINER 1000	6400-012	Overall Meter display				
		without software, without				
		Sensor Pak				
Sensor Pak	6400-030	Accelerometer 100 mV/g				
		integrated cable,				
		magnetic base and 4.5"				
		stinger probe.				

Technical Data On-Time Software					
Operating System	Windows 95, 98 or NT				
CPU	486 minimum.				
	Pentimum recommended				
RAM	8 Megabytes minimum				
Storage	100 Megabytes Hard Drive min				
Graphics Card	VGA capable				
Mouse					
Keyboard					
Media	Select 3.5" disks or CD ROM				

Ordering Information					
Product	Item No.	Description			

Distributed by:

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MONARCH MONITORING

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in North America

15 Columbia Drive Amherst, NH 03031-2334 USA Tel: 603-883-3390 Fax: 603-886-3300 E-mail: mtm@easylaser.com in Latin America

Av. Luis M. Campos 1001 5° C 1426- Buenos Aires- Argentina Tel: +54 11 4775-3090 Fax: +54 11 4775-4090

E-mail: gemosa@arnet.com.ar