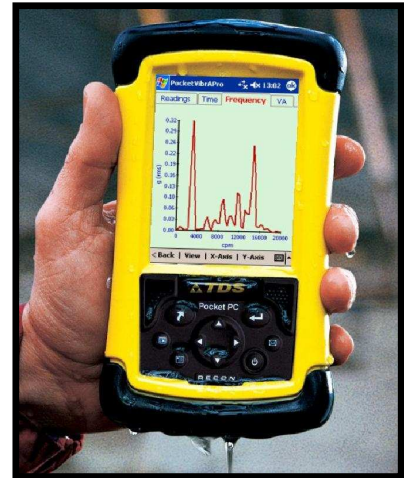


Pocket VibrA Pro Vibration Analyser



PREDICTIVE
MAINTENANCE
SYSTEMS



- Rugged Pocket PC Vibration Analyser
- Time and Frequency Domain graphics
- Programmable Asset Manager for Maintenance Routine
- Data Storage for Trending and Historical Analysis
- Measures Vibration in Velocity and Acceleration
- Four Programmable Frequency Analysis Bands
- Dual Alarm Levels For Each Analysis Band
- Easy Assessment of Machine Balance, Shaft Alignment and Bearing Condition
- Transfer of data to PC through USB / InfraRed
- FreeTrend Software for Desktop Analysis & Site Reporting
- Standard ICP type Accelerometer Interface

The VibrA Pro is a pocket sized vibration analyser with a hand-held accelerometer probe, ideal for implementing offline predictive maintenance routines on your rotating plant. This high specification vibration monitoring and analysis tool is based around the Pocket PC concept. The system has user configurable time and frequency domain functions, VA analysis and stores all measurements in a database that can be synchronised with a PC for display and trending of asset data using FreeTrend™.

The standard VibrA Pro kit includes; the ruggedised pocket PC with interface card), handheld accelerometer, software, contact spike and carry case.

SENSOMICS LTD

Specification

Vibration Meter

Size	:	125mm x 80mm x 35mm
Weight	:	100 gms
Power Supply	:	Rechargeable internal battery
Signal Input	:	100mV/g via Dataq-CF2 interface card
Max Input Voltage	:	10V dc
Dynamic Range	:	108dB
Sampling Frequency	:	40KHz max
Anti-Aliasing Filter	:	4 th Order BPF, 10Hz to 10KHz Programmable in four frequency bands
Display Type	:	Colour LCD
Measurement Mode	:	Acceleration & Velocity, rms & peak All displayed simultaneously
Default analysis	:	Band 1 - 10Hz – 1.5xFs Unbalance Band 2 - 1.5xFs – 4.0xFs Misalignment Band 3 - 4.0xFs – 6.0xFs Bearing Condition Band 4 - 6.0xFs – Fmax Bearing Damage Note: Fs represents rotational frequency
Accuracy	:	Vibration: ± 0.1mm/s (± 0.1g)
Operating Temperature	:	0°C – 60°C

Hand Held Accelerometer

Size	:	ø32mm x 80mm
Weight	:	172 gms
Type	:	Piezo Electric
Sensitivity	:	50mV/g
Frequency Range	:	10Hz – 10kHz
Connection	:	BNC socket
Mounting Thread	:	¼"UNF female

Interconnection Cable

Connectors	:	BNC plug both ends
Cable Length	:	1.2 metres straight

Spike

Material	:	Stainless Steel
Mounting Thread	:	¼"UNF male
Length	:	50mm
Weight	:	24 gms

Options

- Stud length options: 25mm
100mm
200mm
- Quicklock studs for repeatable results
- Magnetic mounting base
- Cable options: Coiled cable Armoured cable
 Cable length Connector variants
- Fixed accelerometers for inaccessible or inhospitable measurement points

DS1204



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