The Ultra II does it all...

• High spec CBM data collector • Dynamic 2 plane rotor balancer
• Plant and asset inspections

Machinery Health Monitoring Tools from testproductsintl.com • 800.368.5719

BENEFITS

Automatically detects out of balance, misalignment, looseness and bearing defects

Predictive analysis capabilities that accurately calculate time frame to failure

Condition based monitoring analyzes bearing wear and gear degradation

Built-in single plane balancing enables correction of the most common cause of vibration. (Dual plane balancing with additional accelerometer)

FEATURES

Additional features include Inspection, Lube and remote/server database

User selectable defined envelope filters and demodulation functionaliy

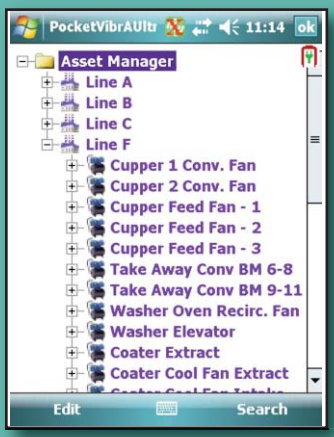
True simultaneous 3 channel capture

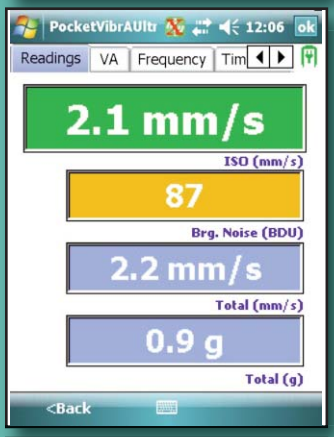
High resolution (0.2 Hz) frequency spectra from 2 Hz to 10 kHz

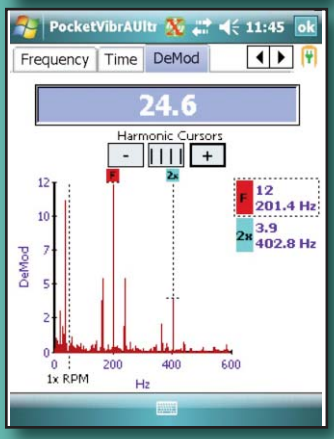
Rugged fully waterproof construction meets IP68 and MIL-STD-810F requirements.

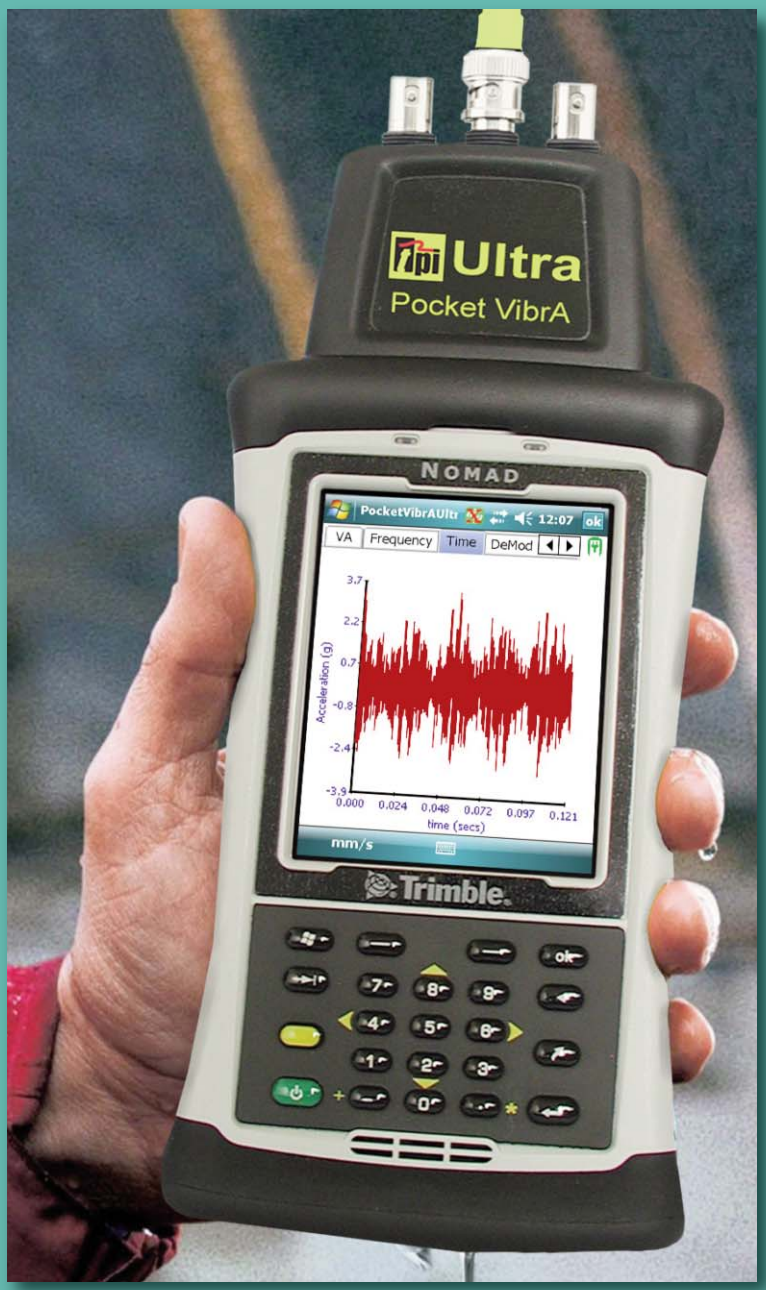
C-Trend Software gives you greater ease of use and flexibility.

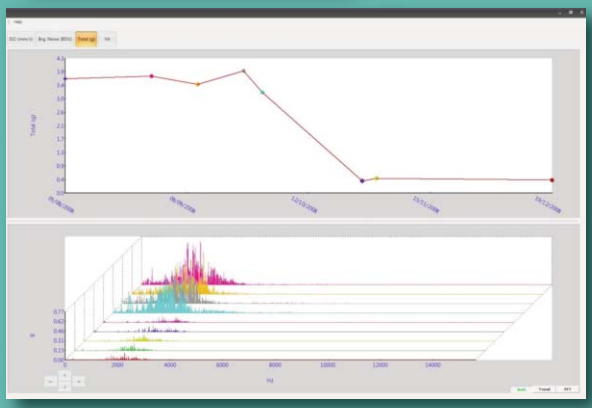
- Store, analyze and report on all your vibration, lube and process parameters (e.g. oil pressures, lube volume, temperature, run hours, etc.) in one place.
- All information is just a click away. Color coded alarms highlight problems. Trend lines show problems before they happen.
- Data can be accessed anywhere on any machine, with networking software. Plant history is everything and C-Trend turns it into useful information with the click of a mouse!











Includes C-Trend powerful and easy to use asset management and fault diagnosis software

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9041 Ultra II

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Ultra II software functionality:

Condition Based Maintenance data collector:

- Displays sites, assets and measurements in a "tree" structure to give easy navigation of routes and capture of readings using touch screen and numeric keypad.
- Analyses and displays ISO vibration levels, bearing wear, unbalance, misalignment, looseness etc.
- Color coded with alarm status (red, amber & green).
- Fully zoom-able frequency spectrum and time waveforms
- All data automatically downloaded to C-Trend (PC trending analysis and reporting software included as standard).
- Optional auto identification of measurement points using RFID tags with easy to use set up wizards.

Single plane and two plane dynamic balancer:

- Single and two plane software included, you need an additional accelerometer A9012 for two plane balancer
- Balances to user defined grades using simple to use step by step balancing wizard
- Live vector display shows out of balance and phase angle during balancing runs (ideal for checking stability)
- Built-in tool kit for trial weight calculation, weight splitter, drill depth (for weight removal), coast down etc.
- Downloads all balance data and graphs to PC full color report generator wizard

Inspection system:

- User defined inspections can be run to capture data and trend process variables (e.g. temperature, pressure, run hours etc.) using simple wizards
- Automatic reporting and generation of email alerts for any parameter

Optional RFID Asset Management

Automatic RFID measurement point identification. Saves and reads measurement values to/from RFID tags.

Size	8.7" x 3.7" x 1.8" (220 mm x 95mm x 45mm)
Weight	1.1 lb (500g)(not including accelerometer)
Environmental	
Water:	MIL-STD-810F, Method 512.4 IP68 sealed against accidental immersion
Drop:	MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 1.22 m 6 additional drops at –20° 6 additional drops at 60°
Operating:	-22° to 149°F (-30° to 65°C)
Storage:	-40° to 158°F (-40° to 70°C)
Humidity:	MIL-STD-810F, Method 507.4
Sand & Dust:	IP68, MIL-STD-810F, Method 510.4, Procedures I & II
Power supply	Rechargeable battery (charger included)
Battery life	Typically 20 hours operating time depending on backlight usage.
Frequency ranges	2 Hz to 1 kHz 2 Hz to 10 kHz
Frequency resolution	Up to 0.02 Hz 400, 800, 1600, 3200, 6400,12800, 25,600 or 51,200 lines FFT
Displayed Amplitude Units	Acceleration in g Velocity in mm/s (or inches/s) Bearing noise in BDU Displacement in Microns/Mils
Displayed Frequency Units	Hertz (Hz), RPM or CPM
Dynamic range	96dB +/- 50g to +/- 0.001g with standard accelerometer
Auto set up of VA diagnostic bands	Instability, unbalance, misalignment & looseness
Envelope demodulation filters	Fully user selectable high pass and low pass filter cut off frequencies
IEPE accelerometer interface	Constant current accelerometer power supply (+20 volts @ 2mA) can be switched off for use with BNC output control panels
Numeric Keypad or Touch screen operation	Stylus free collection of maintenance data using numeric key pad or by touching screen
Included accessories	• Tachometer, accelerometer (one) and cables, tachometer mount adapter • Carrying case with shoulder strap

The Ultra II represents the very latest in easy-to-use high specification maintenance tools, offering extremely high levels of functionality and capability at a very affordable price!

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