PRÜFTECHNIK

VIBXPERT® II

FFT Data Collector & Signal Analyzer



- Fast data acquisition
- Powerful diagnostic tools
- Easy to use

The *time is now*

Turn to PRÜFTECHNIK for innovative and proven technology

Driven by its motto – 'proven maintenance technology' – PRÜFTECHNIK has launched the VIBXPERT® II, the latest vibration data collector and signal analyzer based on sophisticated and refined technology.

A brilliant display yet long periods of use – VIBXPERT® II makes it possible!

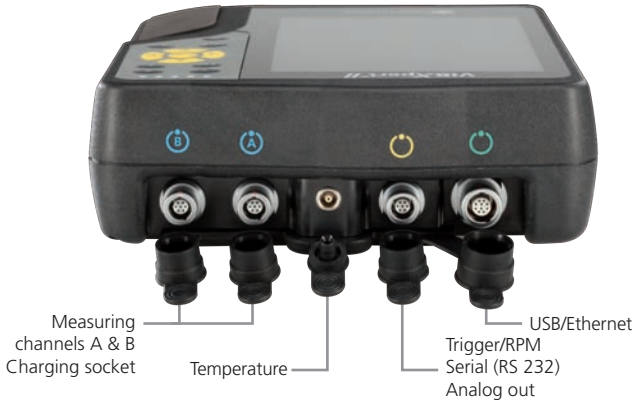
VIBXPERT® II combines the proven features of its predecessor with the advantages of rapid processors and a brilliant energy-efficient color display. It demonstrates that the use of powerful components does not rule out low power consumption.

VIBXPERT® II is ...

- **Intuitive** to operate on its graphical user interface and effective use of color.
- **Fast** thanks to optimized measuring workflows and advanced processor technology.
- **Ergonomic** with a handy design and brilliant color display.
- **Powerful** due to many practical analysis functions and measuring templates.
- **Long-lived** with a long battery life and a large data memory.

Interfaces for industrial environments

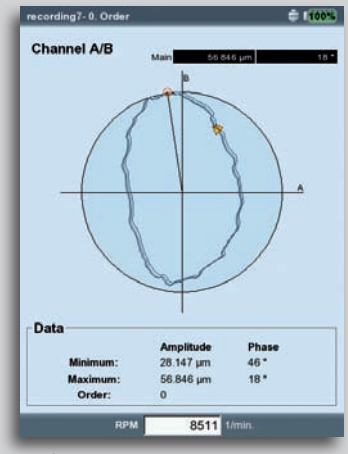
Five industrial-proofed interfaces that are colored for easy identification connect to a wide variety of different sensor types and data links.



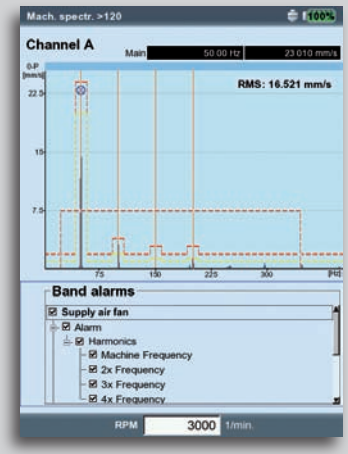
Simple to use with a wide range of applications



Meaningful icons offer guidance in selecting the measurement task.



Shaft vibration analysis with orbit, static shaft position and runout.



Narrow band and broadband monitoring of characteristic frequencies in the spectrum.

Title: Waterfall diagram for visualizing resonances.

Ergonomic and user-friendly



Envelope spectrum of roller bearing inner race damage (BPFI) with identified side bands.

Status LEDs

- Traffic light display for the evaluation of results according to the ISO standard or user-defined alarm thresholds
- Device and battery status

Ergonomic keyboard

- One-thumb operation
- Illumination automatically adjusts to ambient light
- Non-slip grip

Brilliant color display

- 18-bit TFT LCD
- VGA (480 x 640 pixels)
- Non-reflective
- Automatic switch-off

Sturdy housing

- Light and compact
- Protection class IP 65

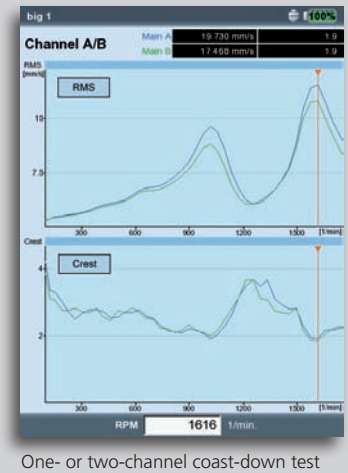
Large data memory

- 2 GB CompactFlash card

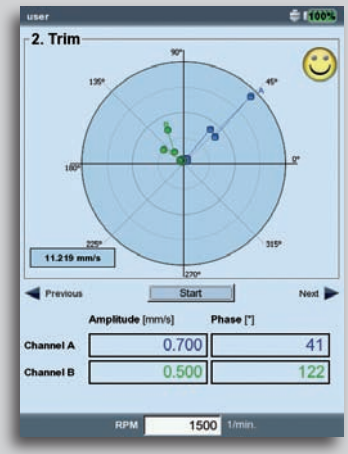
Powerful Li-ion battery

- 8-hour operating life
- Exchangeable

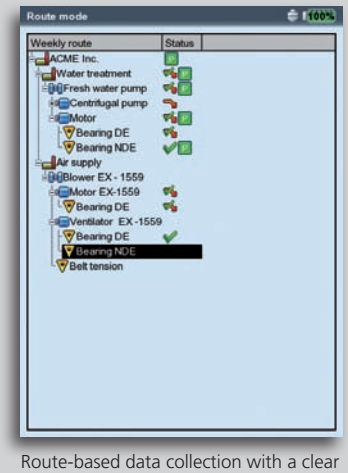
Simple to use with a wide range of applications



One- or two-channel coast-down test with RMS, amplitude or waterfall.



Field balancing in two planes. A 'smiley' appears when the required balancing grade is reached.



Route-based data collection with a clear display of measuring locations.









VIBXPERT® in brief

Versatile

Route-based data collection
Vibration diagnosis
One- or two-plane field balancing
Acceptance measurement with machine templates
Troubleshooting
Multimeter
Data logging
Visual inspection

Analysis in detail

Characteristic overall values & process parameters
Time waveform
Amplitude/envelope spectrum
Cepstrum
Phase, cross-channel phase
Orbit
Static shaft position
Runout analysis (shaft vibration)
Bump test
Coast-down/run-up test
Order analysis
Modal analysis
Operating Deflection Shape Analysis (ODS)
Transient capture
Long-term recording
Characteristic frequency markers
Signal post-processing
ISO standards for evaluation

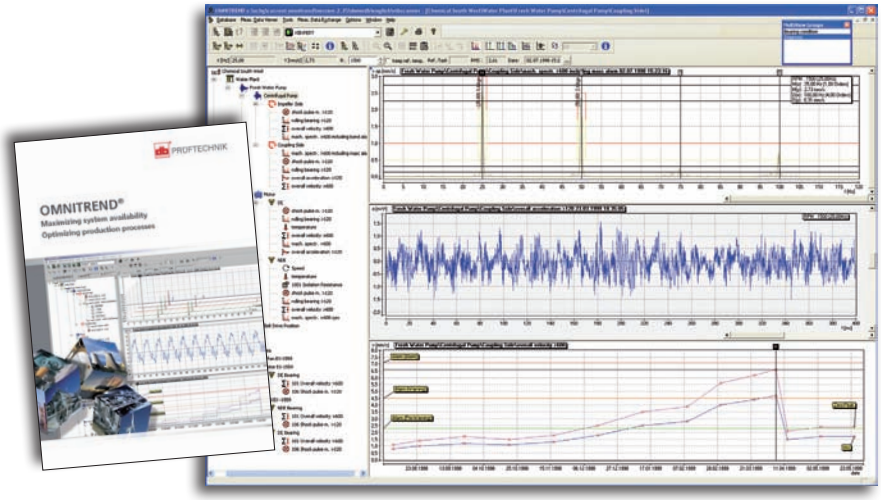
Valuable additional features

Printing of measurement reports
Rugged hard case
Extensive accessories
Optional measuring functions that can be enabled by entering a pass-word

OMNITREND® multiuser PC Software

OMNITREND® can be used to manage machine data, archive results in a database and enables the programming of measure-ment tasks and routes.

A wide range of evaluation and documen-tation functions are available. These are described more closely in the OMNITREND® brochure.



OMNITREND® supports the evaluation of collected machine data on a PC.

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A member of the PRÜFTECHNIK group

6 awards for VIBXpert® II

PRÜFTECHNIK

▶ **PRÜFTECHNIK Condition Monitoring GmbH designs, produces, sells and supports state-of-the-art product with international awards and worldwide acceptance**



❶

Product of the Year 2010, Plant Engineering



❷

Product Innovation of the Year 2010, Pumps & Systems Award



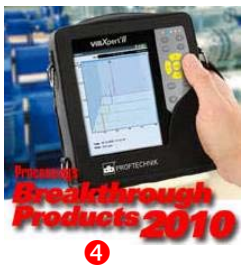
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2011 AHR Expo Innovation Awards Competition

6 awards for VIBXpert® II

PRÜFTECHNIK

▶ **PRÜFTECHNIK Condition Monitoring GmbH designs, produces, sells and supports state-of-the-art product with international awards and worldwide acceptance**



❹

Breakthrough Product 2010, Processing Magazine Award



❺

IMPOvation Product Technology Award, IMPO magazine



6

Product of the Year 2010

*** The Polish Maintenance Magazine – equivalent of the American "Plant Engineering "