

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!

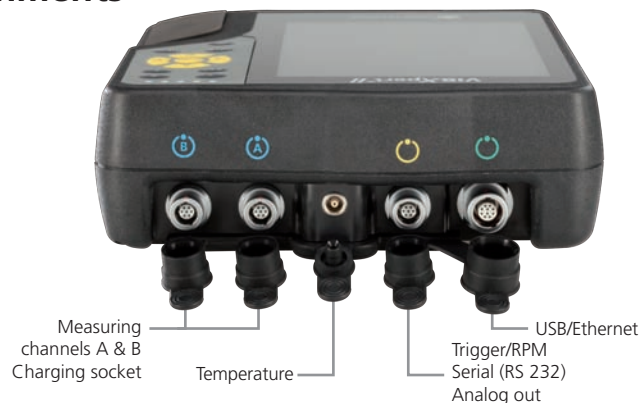
VIBXPERT® II combines the proven features of its predecessor with the advantages of rapid processors and a brilliant energy-efficient color display. It demonstrates that the use of powerful components does not rule out low power consumption.

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

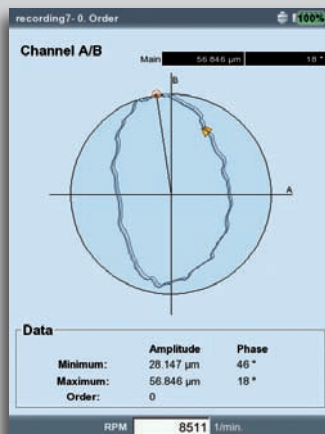
Five industrial-proofed interfaces that are colored for easy identification connect to a wide variety of different sensor types and data links.



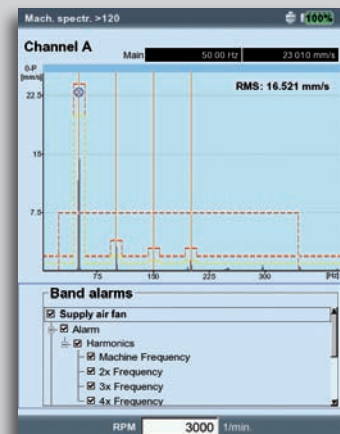
Simple to use with a wide range of applications



Meaningful icons offer guidance in selecting the measurement task.

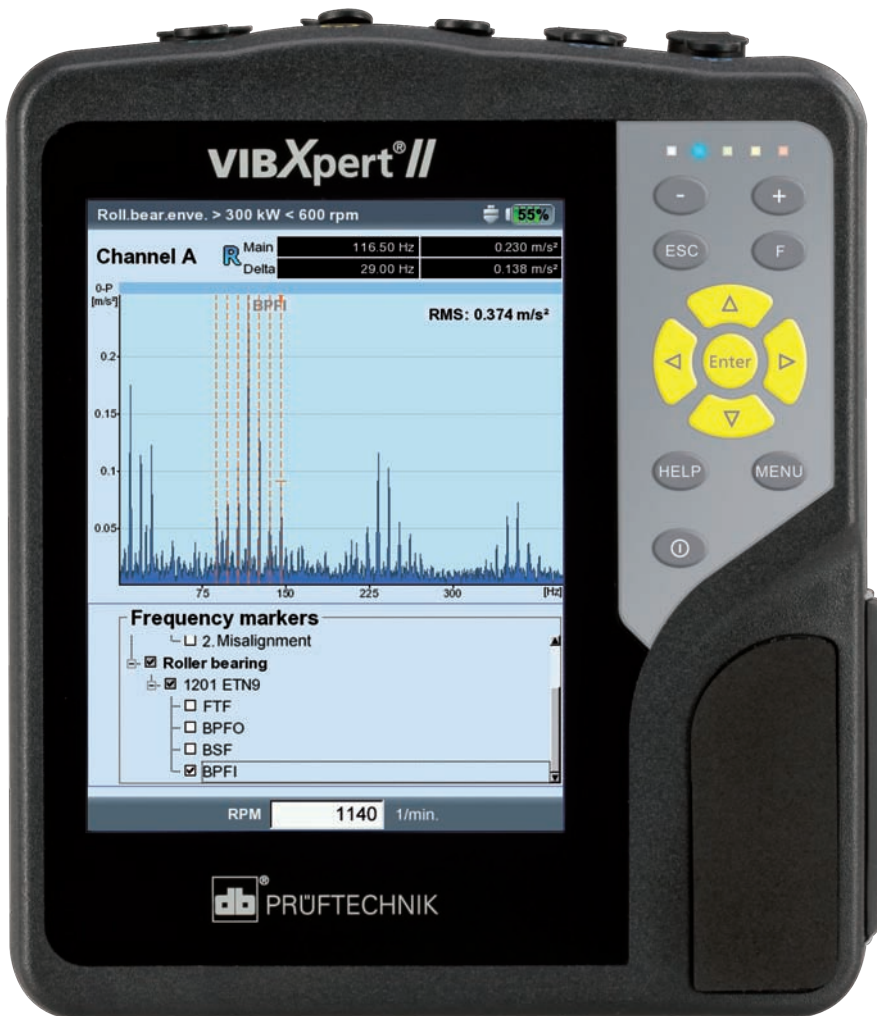


Shaft vibration analysis with orbit, static shaft position and runout.



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

Ergonomic and user-friendly



Envelope spectrum of roller bearing inner race damage (BPF1) 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

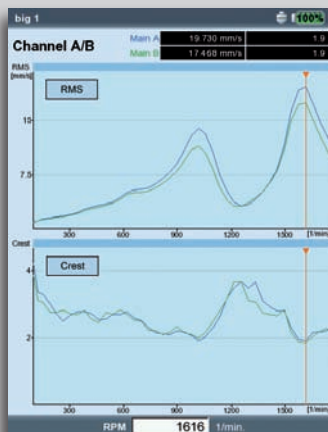
Large data memory

- ▶ 2 GB CompactFlash card

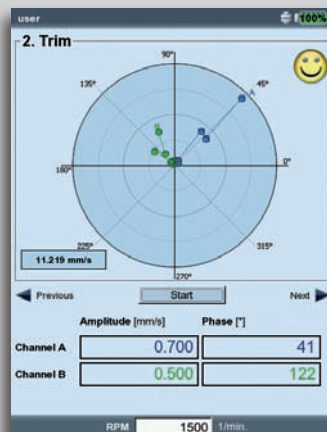
Powerful Li-ion battery

- ▶ 8-hour operating life
- ▶ Exchangeable

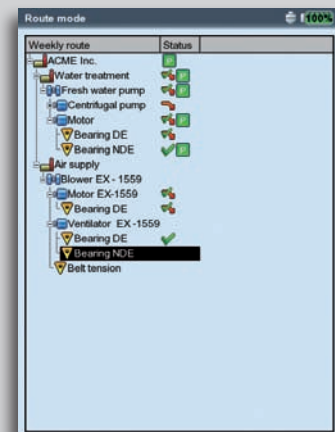
Simple to use with a wide range of applications



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

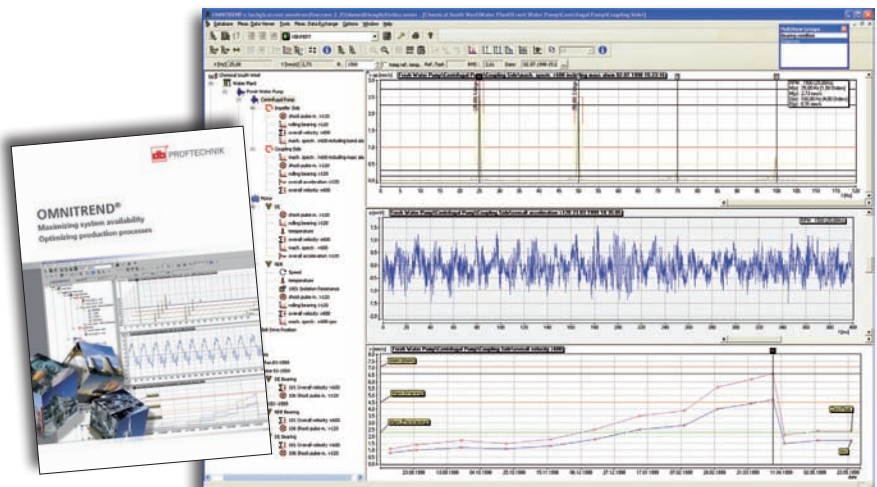
Printing of measurement reports
 Rugged hard case
 Extensive accessories
 Optional measuring functions that can be enabled by entering a password



OMNITREND® multiuser PC Software

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

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



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

© Copyright 2010 by PRÜFTECHNIK AG. ISO 9001:2008 certified. VIBXPERT® and OMNITREND® are registered trademarks of PRÜFTECHNIK Dieter Busch AG. No copying or reproduction of this information, in any form whatsoever, may be undertaken without express written permission of PRÜFTECHNIK AG. The information contained in this leaflet is subject to change without further notice due to the PRÜFTECHNIK policy of continuous product development. PRÜFTECHNIK products are the subject of patents granted or pending throughout the world. LIT 53.400.CA



**Rotating
 Equipment
 Consultants**

200 West 34th Avenue, Suite 1017
 Anchorage, Alaska 99503
 Phone 907-522-2411 • Fax 907-522-2412
 www.terntech.com

PRÜFTECHNIK
 Condition Monitoring GmbH
 Oskar-Messter-Str. 19-21
 85737 Ismaning, Germany
 Tel: +49 89 99616-0
 Fax: +49 89 99616-300
 eMail: info@pruftechnik.com
 www.pruftechnik.com