VIBXPERT® II
FFT Data Collector & Signal Analyzer

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

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**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

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.

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

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.

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