

PDV-100^{Plus} Non-contact Vibration Analyzer Package



Single-Point Vibrometers

- OFV Series Vibrometers
- CLV-2534 Compact Laser Vibrometer
- IVS-400 Industrial Vibration Sensor
- PDV-100 Portable Digital Vibrometer
- VibSoft Software

Polytec gives everyone access to advanced vibration measurement by combining well-proven hardware and software. This special offer set contains:

- PDV-100 Portable Digital Vibrometer
- VibSoft-20 Laptop-based Data Acquisition Software
- VibSoft-Desk Data Analysis Software

Ready for Operation within Minutes

A laptop computer¹⁾ is all that is required to perform non-contact vibration measurement and analysis. The vibrometer hardware is integrated into a single robust, compact housing, so setup, preparation and measurement is quick and easy. Simply connect the vibrometer to the computer using the USB Junction Box, and that's it. And with the VibSoft-20 Data Acquisition Package you are ready to jump into the fascinating field of point-and-shoot optical vibration measurement.

Hardware and Software - a Matching Pair

The PDV-100 features flexible stand-off distances from 0.1 m to 30 m. The rugged and compact hardware, as well as the ease of use, make the PDV-100^{Plus} package ideal for applications in harsh shop floor environments and in R&D alike. And by adding the optional Battery Pack, you won't be tied to a stationary power-supply, so you can take measurements in the field.

The VibSoft-20 Software is the perfect companion to the PDV-100 Laser Vibrometer for two-channel 20 kHz data acquisition, signal conditioning and vibration analysis. Although VibSoft-20 is surprisingly easy to use, it is a full-featured platform offering professional performance such as time traces of 64 Msamples and full FFT analysis up to 204,800 lines (optional).

The VibSoft-Desk Software allows data processing and analysis independent of the measuring hardware and with the same ease and rapidity as with VibSoft-20. A floating license for three users makes sure measurement data can be analyzed while new measurements are taken with VibSoft-20.

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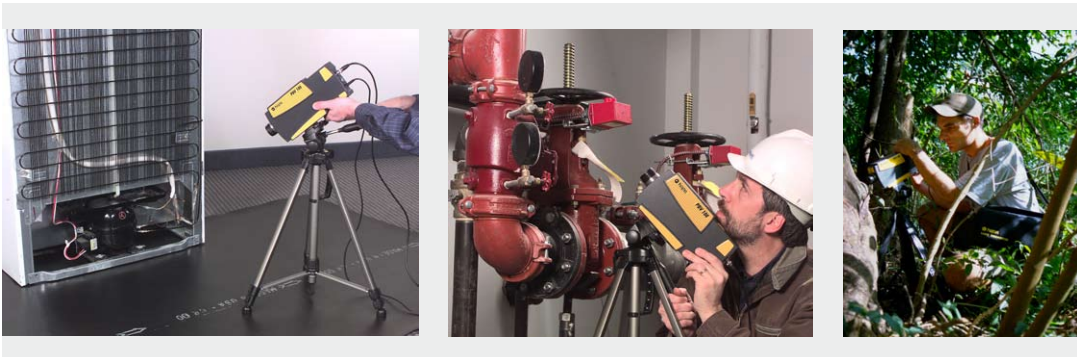
¹⁾ Minimum system requirements: Windows® XP Professional or Windows® Vista 32-bit operating system; Pentium III 800 MHz; 128 MB RAM; 2 USB 2.0 ports.

Key Features and Benefits:

- All-in-one vibration measurement solution up to 20 kHz
- Wear-free, non-contact operation
- Variable stand-off from 0.1 m to 30 m for maximum flexibility in measurement setup
- LCD display for clear and easy operation
- Robust integrated casing for use in harsh environments
- Eye-safe visible laser (class 2)
- Optional battery pack allows use in the field

Software:

- Time and frequency domain data analysis
- 12,800 FFT lines (optional: 204,800 FFT lines)
- Data import and export via UFF file format and ASCII
- Software maintenance for 12 months (optionally extendable)



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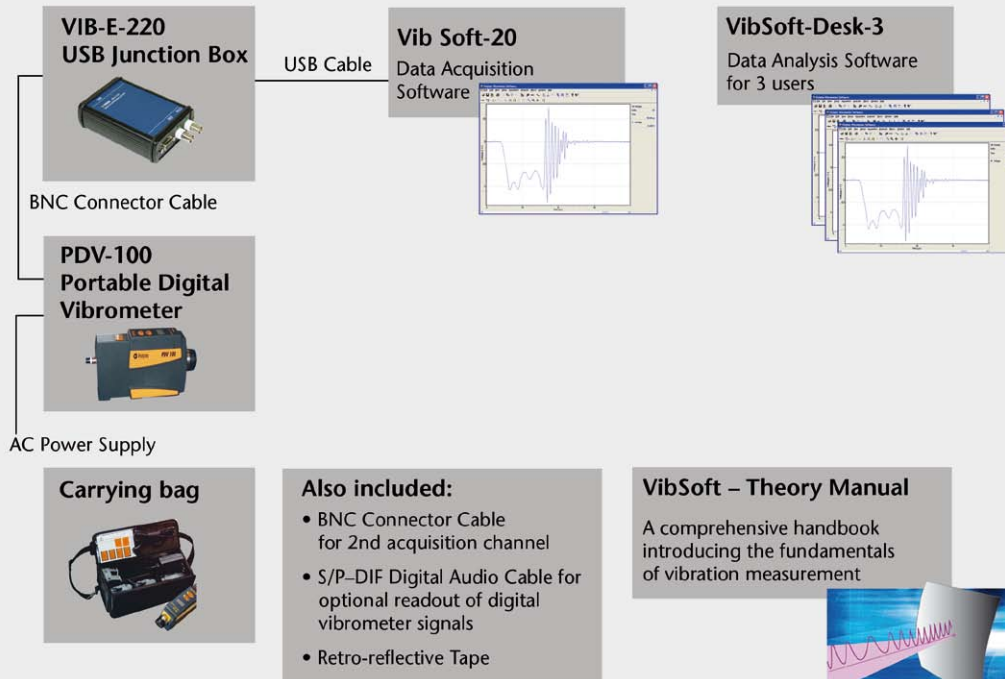
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What's in the Box?



For more detailed information please request or download separate PDV-100 and VibSoft-20 data sheets from www.polytec.com/vibrometers, or contact your local Polytec sales/application engineer.