

# Polytec Press Release

Date: 22.01.03

Reference: PDV100-220103-FFu-e

## The future is digital – Polytec announces the world's first portable, fully digital Laser Vibrometer

Again Polytec is setting a new standard with the **PDV-100 Portable Digital Vibrometer**. The **PDV-100** is a ruggedized Laser Doppler Vibrometer for non-contact vibration testing. With its small size, low weight and low power consumption, it's the world's first Laser Vibrometer truly deserving the name **portable**.

The **PDV-100** fully incorporates digital signal processing, resulting in unequalled accuracy and long-term calibration stability. For the best resolution even at very low vibration levels three user-selectable velocity ranges are available (max. velocity 500mm/s, velocity resolution  $\leq 0.05 \mu\text{m/s}$ ). The PDV-100 incorporates three digital low pass and 1 analog high pass filter for reducing the acquisition bandwidth (max. bandwidth 22kHz) and removing spurious environmental vibrations.

In addition to the analog vibration velocity output, the **PDV-100** features a digital signal interface in S/P-DIF standard that is compatible with many data loggers and data acquisition boards with digital input.

In the **PDV-100** the best features of digital demodulation and the flexibility and portability of an „all-in-one“ housing design are combined.

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