Technical Vibration Meter PCE-VDR 10

PCE-VDR 10 is a single-axis accelerometer or vibration monitor with real-time measurement and data logging capabilities. This vibration analyzer records acceleration (m/s, g, ft/s) as well as speed (mm/s, cm/s, in/s) measurements and saves the measured data to an included SD card memory. Note: To set up the SD card for the first time, the PCE-VDR 10 must be connected to AC power.

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- Measures acceleration (m/s, g, ft/s) and speed (mm/s, cm/s, in/s)
- Adjustable automatic data logging
- SD card memory
- RS-232 and USB interface
- Data can be downloaded to a computer and analyzed using Microsoft Excel
- Backlit LCD screen
- Portable

Technical Specifications

Frequency range	10 … 1000 Hz
Acceleration measuring range (at 50 m/s, 160 Hz)	0.5 … 199.9 m/s, 0.05 … 20.39 g, 2 … 656 ft/s
Resolution	0.1, 0.01, 1
Accuracy	± (5% of reading + 2 digits)

Speed measuring range (at 50 mm/s, 160 Hz)	0.5 … 199.9 mm/s, 0.05 … 19.99 cm/s, 0.02 … 7.87 in/s
Resolution	0.1, 0.01, 1
Accuracy	± (5% of reading + 2 digits)
Display	LCD
Display update time	update time: 1 second
Memory	SD card (included)
Automatic data logging interval	5 … 3600 seconds (adjustable)
Analog output	4 … 20 mA
Power supply	6 x 1.5 V AAA batteries or 9 V DC electric power (adapter sold separately)
Interface	RS-232 and USB
Dimensions	132 x 80 x 32 mm (5.20 x 3.15 x 1.26")

Dilivery Contents

1 x Accelerometer PCE-VDR 10
1 x vibration sensor
1 x wall bracket
6 x 1.5 V AAA batteries
1 x SD memory card
1 x screw for 4 … 20 mA output
1 x user manual