ACCELEROMETER DATA LOGGER PCE-VDL 24I 3-AXIS-ICA

PCE-VDL 24I-ICA



- **3- Axis acceleration up to 1600 Hz**
- **32 GB SD memory card**
- **Small design: 86.8 x 44.1 x 22.2 mm / 3.4 x 1.7 x 0.87 in**
- **Made in Germany**
- **incl. ISO-Calibration Certificate**

This 3-axis data logger is supplied with the acceleration sensor with a sampling rate of 1600 Hz. The sensor measures the acceleration currently acting on it (3 axes), like upon shock or during vibration. The measurements take place in predetermined (selectable) time intervals. The measured data recorded with the internally installed 3-axis accelerometer are stored in the datalogger on a 4 GB memory card. Thus, the data logger is ideally suited to determine the acceleration during: fault diagnosis / stress test of components (improve the quality of your products), machine inspection, shock measurements and, in general, in the preventive maintenance. Use the data logger for acceleration as a cost-effective tool for avoiding machine breakdown and downtime.

Specification

Oscillation	
Measuring range	-16 ... +16 g
Resolution	0,00390625 g
Accuracy	±0.24 g

General technical data	
Display type	without display
Adjustable measuring rate	1 ... 1600 Hz
Storage medium	Micro SD card
Storage capacity	32 GB
Memory capacity (additional information)	3.2 billion readings with included 32 GB micro SD memory card. A new file is automatically created after 200,000 readings
Interface	Micro-USB
Sensor	3-axis piezoelectric acceleration sensor
Operating time	67 h
Protection class (device)	IP40
Power supply	5 V DC
Capacity	700 mAh
Performance	2,59 Wh
Operating conditions	-20 ... 65 °C , 0 ... 100 % RH
Storage conditions	5 ... 45 °C , 10 ... 95 % RH
Dimensions (L x W x H)	87 x 44 x 23 mm
Weight	57 g

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