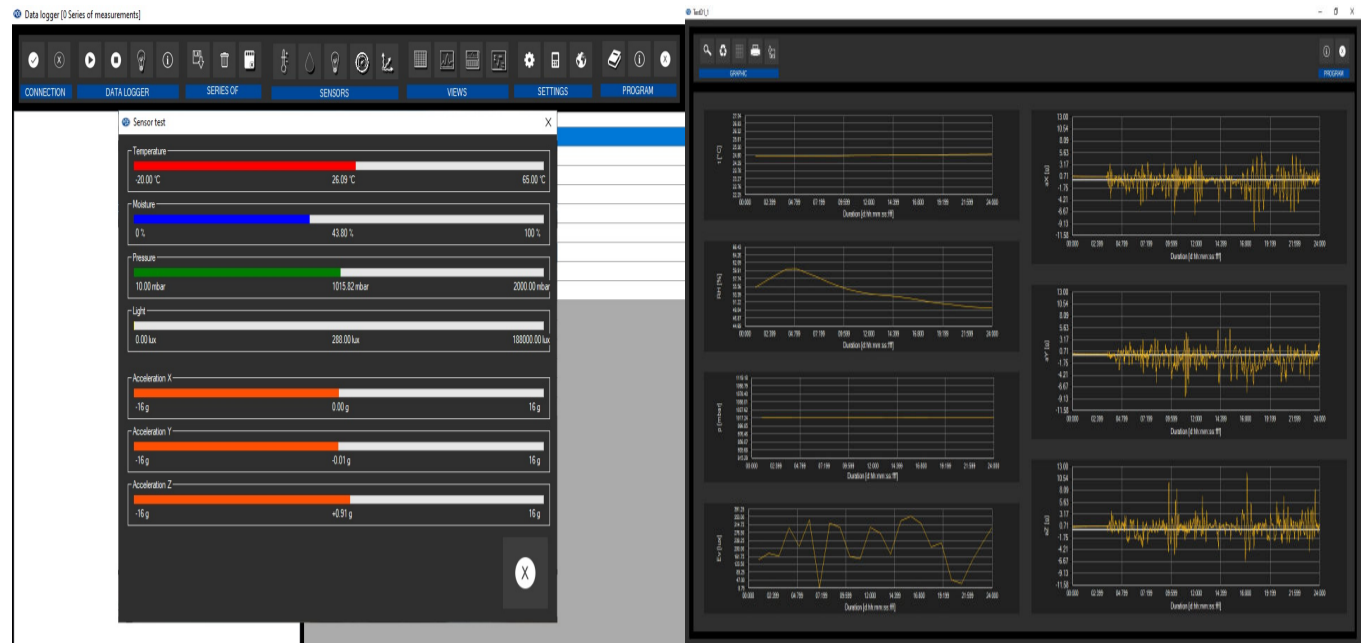


Shock Data logger PCE-VDL 16I



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With up to 800 Hz / Temperature, Humidity, Air pressure, Vibration, and Light

The shock data loggers of the PCE-VDL series are available in two versions. The shock data logger PCE-VDL 16I contains sensors for the following physical units: temperature, humidity, air pressure, light and 3-axis acceleration. The max. sampling rate of the acceleration sensor is 800 Hz, the remaining sensors are sampled with max. 1 Hz.

The shock and vibration logger is therefore ideally suited for use in fault diagnosis, stress testing, machine inspection, shock measurements and preventive maintenance.

- ▶ 3-axis Acceleration up to 800 Hz
 - ▶ For temperature, humidity, air pressure and light
 - ▶ 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**

Specifications

Temperature

Measuring range -20 ... 65°C / -4 ... 149°F

Accuracy $\pm 0.2^{\circ}\text{C}$ / $\pm 0.36^{\circ}\text{F}$

Resolution 0.01°C / 0.018°F

Max. Sampling rate 1 Hz

Humidity

Measuring range 0 ... 100% r.H.

Accuracy $\pm 1.8\%$ r.H.

Resolution 0.04% r.H.

Max. Sampling rate 1 Hz

Air pressure

Measuring range 10 ... 2000 mbar

Accuracy ± 2 mbar (750 ... 1100 mbar); otherwise ± 4 mbar

Resolution 0.02 mbar

Max. Sampling rate 1 Hz

Light

Measuring range 0.045 ... 188,000 Lux

Resolution 0.045 Lux

Max. Sampling rate 1 Hz

3 Axes Acceleration

Measuring range ± 16 g

Accuracy 0.24 g

Resolution 0.00390625 g

Max. Sampling rate **800 Hz**

More information

Manual



More product info



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