VOLTAGE DATA LOGGER

PCE-VR 10



- **memory on an SD card**
- **3 measuring channels**
- **0 ... 3000 mV input**
- **clamp connection strips**
- **storage as XLS file**
- **large backlit display**

Voltage data logger
The voltage data logger from PCE Instruments is used to record 0 ... 3000 mV signals via up to three input channels. The voltage data logger stores the measured voltages on an SD card in Excel format. In order to record also higher voltage in the range between 0 ... 10 V with the help of the voltage data logger, a voltage divider can be used. The measuring voltages are transmitted via plug-in clamps to the datalogger, which presents the corresponding values directly on the display and at the same time stores them in the memory with the corresponding time stamp. The scaling of the measuring signal is not necessary, since the measured values are stored directly as an mV measured value. In Excel, the scaling can then be carried out quite conveniently manually. The voltage data logger thus determines the pure raw data of the sensors whereby any further processing and data evaluation can be done very flexibly via spreadsheet programs such as Excel.

In addition to storing the measured values, the voltage data logger presents the values of the respective voltage channels on the large backlit LC display. The maximum resolution here is 0.1 mV with an accuracy of 0.5% + 2 mV. The voltage data logger is powered by 6 AA 1.5 V batteries or a power supply. To visualize the live measured values, the voltage data logger from PCE Instruments can be connected to the PC via the serial interface.

Specification

Direct voltage DC	
Measuring range	0 ... 300 mV
Resolution	0,1 mV
Accuracy	±(0.5% of reading +0.2 mV)

Direct voltage DC	
Measuring range	0 ... 3000 mV
Resolution	1 mV
Accuracy	±(0.5% of reading +2 mV)

General technical data	
Measuring interval	1 ... 600 s
Display type	LCD with backlight
Display refresh rate	1 s
Storage medium	SD card
Storage capacity	16 GB
Interface	RS232
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	Batteries Power supply: 9V DC, 800 mA
(Rechargeable) battery	6 x 1,5 V AAA battery , Alkali-manganese
Capacity	1270 mAh
Operating conditions	0 ... 50 °C , 0 ... 85 % RH
Storage conditions	0 ... 50 °C , 0 ... 85 % RH
Dimensions (L x W x H)	132 x 80 x 32 mm
Weight	190 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk