3 CHANNELS CURRENT DATA RECORDER

PCE-CR 10



- **Memory on SD card**
- **3 measuring channels**
- **0/4 ... 20-mA input**
- **Clamping connection strips**
- **Save as XLS file**
- **Large display with lighting**

The current data logger is used to record up to three 0/4 ... 20 mA signals. The current data logger stores the measured process streams on an SD card in Excel format. In addition to storing the measured values, the current data logger also shows them on a large display. The maximum resolution here is 0.01 mA. The device is powered by 6 AA 1.5V batteries or a power supply. To visualize the live-measured values, this current data logger can be connected to the PC via a serial interface.

The current signals are transferred to the data logger via plug-in terminals. The plug-in terminals on the current data logger make it possible to switch between the connected sensors with a mA output relatively quickly and easily. This ensures that the current data logger can be used in operation universally and flexibly. Scaling of the measuring signal is not necessary since the measured values are stored directly as mA. In Excel, the scaling can then conveniently be carried out manually.

Application areas
The current data loggers are used to record the output signals of numerous 0/4 ... 20 mA sensors, for example, during pressure measurement or flow velocity monitoring. Monitoring, registration and evaluation of e.g. temperature, humidity, pressure, flow, pH-value ... at the production facilities with the standardized output signals 0 ... 20 mA can be done easily and accurately.

Specification

Direct current DC	
Measuring range	0 ... 20 mA
Resolution	0,01 mA
Accuracy	±(0.5% of reading +0.02 mA)

Direct current DC	
Measuring range	4 ... 20 mA
Resolution	0,01 mA
Accuracy	±(0.5% of reading +0.02 mA)

General technical data	
Number of measuring channels	3
Display Typ	LCD with illumination
Display size	3,08 Inch
Display refresh rate	1 s
Storage medium	SD card
Storage capacity	16 GB
Storage information	Up to 30,000 records can be stored per file.
Storage interval from	1 s
Storage interval until	600 s
Interface	RS232
Eingangsimpedanz	10 Ω
Protection class (device)	IP20
Power supply	- Batteries - 9V DC, 1 A power supply
Connector type	Euro plug
Battery/battery	6 x 1,5 V AAA Battery (1,5V) , Alkali-Manganese
Battery capacity	1200 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

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