

# Redox-Meter PCE-228-R



## PCE-228-R Redox meter /Portable Redox Meter, for both pH and temperature values /RS-232 interface and optional software

PCE-228-R Redox Meter is a very easy to use meter to measure mV / pH / °C. In the PC-228-R Redox Meter values can be directly stored in the SD memory card (Excel format) or can be directly transferred in real time to a PC or laptop by means of the RS-232 interface. Both Redox value and temperature can be directly transferred to a PC by means of the RS-232 interface, so we offer you software and a RS-232 data cable as additional components. Temperature compensation (function available only for measurements of pH) can be made by hand or automatically by means of a temperature sensor included in the delivery of the Redox Meter. So, all the previously mentioned characteristics provide this Redox Meter with a high reliability. The PCE-228-R Redox Meter has a three-point calibration. Redox, temperature and pH values can be determined by means of the combined meter. **To determine the pH value an additional pH electrode must be purchased. You can find the pH electrode in the accessories tab.** We recommend you use the PW 03 electrode. PCE-228-R Redox Meter is powered by batteries (one 9V battery is included in the delivery).

- ▶ Good quality at an affordable price
- ▶ SD memory card (1 ... 16 GB)
- ▶ Values are directly stored in Excel format in the SD memory card (any additional software is required)
- ▶ RS-232 interface for real time data transference
- ▶ Measures Redox and temperature
- ▶ High accuracy
- ▶ Low battery indication
- ▶ Large LCD display
- ▶ Adjustment of the measurement rate
- ▶ Easy-to-use
- ▶ Compact case
- ▶ Redox OPR-14 sensor and stainless steel temperature sensor are included
- ▶ Automatic calibration
- ▶ Automatic / manual temperature compensation (only for pH measurements not for Redox ones)
- ▶ BNC connection
- ▶ Suitable for laboratories or on-the spot Redox measurements.
- ▶ Additional Redox electrode

# Specifications

Measurement ranges	1999... 0 ... 1999 mV 0.00 ... 14.00 pH (only with optional pH electrode) 0.0 ... 65.0°C (only temperature sensor)
Resolution	1 mV 0.01 pH 0.1°C
Accuracy (a 20°C)	± (0.5% + 2 digits) ± (0.02 pH + 2 digits) ± 0.5°C
Calibration	Automatic three-point calibration
Temperature compensation	Automatic from 0 ... 65°C or by hand between 0 ... 100°C by removing temperature sensor. (only for pH measurements)
Electrode	Redox OPR-14 electrode, 1 meter cable and BNC plug
Measurement rate	Adjustable from 1 second up to 8 hours 59 min 59 seg
Memory	SD card from 1 ... 16 GB (2 GB card included)
Display	LCD: 52 x 38 mm / 2 x 1.5 in
Interface	RS 232
Software	Optional component
Power supply	6 x 1.5V AA battery / 9V adaptor (optional)
Environmental conditions	0 ... 50°C / 32 ... 122°F max. 80% H.r.
Dimensions	177 x 68 x 45 mm / 7 x 2.7 x 1.8 in
Weight	490 g / 1.1 lbs

Subject to change