

Surface pH Meter PCE-228SF



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Handheld instrument for surface pH, redox and temperature / Large, easy-to-read display /SD card memory (1 ... 16 GB), stored data is saved as an Excel file / RS-232 interface and optional software for direct transfer to the PC

The surface pH meter PCE-228SF is used to measure the pH on surfaces such as paper, cardboard, leather, textiles and skin. The pH and temperature can be stored directly on the SD card. The special pH electrode of the pH meter PCE-228SF is particularly flat and made of epoxy, which makes the pH electrode particularly resistant to impact. Temperature compensation is either manual or automatic via the supplied temperature sensor.

In addition to the measurement of the pH value of surfaces, the pH meter can also be used to measure very small sample volumes from 0.1 ml upwards. For this, the surface pH meter is supplied with a special measuring cuvette. This cuvette can be plugged directly onto the electrode of the pH meter.

- ▶ Surface pH meter
- ▶ SD card memory (1 ... 16 GB) - the stored data are stored directly as an Excel file on the SD card (no software is needed for evaluation)
- ▶ RS-232 interface for online data transmission
- ▶ Measures pH, redox and the like Temperature
- ▶ High accuracy
- ▶ Large LCD display
- ▶ Robust housing
- ▶ Incl. stainless steel temperature probe
- ▶ Automatic calibration
- ▶ Manual or automatic temperature compensation
- ▶ BNC connector
- ▶ Suitable for laboratory and on-site pH measurement
- ▶ Additional REDOX electrode
- ▶ Adjustable measuring rate
- ▶ Easy to operate

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Specifications

Measuring range pH	0.00 ... 14.00 pH
Resolution	0.01 pH
Accuracy	± (0.02 pH + 2d)
Temperature range electrode	5 ... 60°C / 41 ... 140°F
Reference electrode	Ag / AgCL 3.0 M KCL
Dimensions electrode	12 x 110 mm / 0.5 x 4.3 in
Measuring range redox	-1999 ... 0 ... 1999 mV (only possible with optional REDOX electrode)
Resolution	1 mV
Accuracy	± (0.5% + 2d)
Measuring range temperature	0 ... 65°C / 32 ... 149°F (only temp. sensor)
Resolution	0.1°C / 0.18°F
Accuracy (@ 20°C / 68°F)	± 0.5°C / 0.9°F
Calibration	Automatic three-point calibration
Temperature Compensation	Automatically from 0 ... 65°C / 32 ... 149°F or manually between 0 ... 100°C / 32 ... 212°F with the temperature sensor removed
Electrode	ERH-115 pH electrode, gel filled 1 m / 3.3 ft cable and BNC plug
Temperature range	5 ... 60°C / 41 ... 140°F
Measuring rate	Adjustable from 1 second to 8 hours 59 minutes 59 seconds
Display	LC display 52 x 38 mm / 2 x 1.5 in
Data storage	Flexible via SD card memory 1 ... 16 GB
Interface	RS-232
Software	Optional
Power supply	6 x 1.5V AA batteries / 9V power adapter (optional)
Environmental conditions	0 ... 50°C / 32 ... 122°F max. 85% rh
Dimensions	177 x 68 x 45 mm / 7 x 2.7 x 1.8 in
Weight	490 g / 1.1 lbs

More information

Manual



Video



More product info



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