



pH Meter PCE-ISFET

The new ISFET technology



PCE-ISFET

The innovative ISFET (ion-selective field effect transistor) technology enables maintenance-free operation. Conventional electrodes of pH meters must always be stored in appropriate storage solutions for storage. The ISFET-ph meter PCE-ISFET series can save both costs and time. The integrated data logger of the ISFET-ph Meter allows a continuous measurement up to 45 days with the largest storage interval. Thus, trends in different process steps can be created and evaluated.

The high accuracy of the ISFET-ph meter also allows it to be used in highly critical mixing operations. Measurement data stored in the ISFET-ph-Meter PCE-ISFET series can be downloaded and processed using the supplied software. The variety of available probes allows a wide range of applications. The optionally available probes are used in the laboratory, mixing processes in industry and soil culture studies. With the help of the built-in probe Pt1000 temperature sensor, the measurement result is always automatically compensated.

- ▶ Housing in a modern design
- ▶ Measuring range pH 0.00 ... 14.00
- ▶ Various electrodes available
- ▶ Data memory for up to 65,000 measured values
- ▶ USB interface
- ▶ 5 point calibration
- ▶ 3.2" color LCD
- ▶ Menu guidance multilingual

General Features PCE- ISFET	
pH measurement function	
Measuring range	0.00 ... 16.00 pH
Resolution	0.005 pH
Accuracy	± 0.005 pH
Calibration	Up to 5 calibration points
Automatic temperature compensation	Yes
Temperature measurement function	
Measuring range	-20 ... 120°C / -4 ... 248°F
Resolution	0.1°C / 32.2°F
Accuracy	± 0.5°C / 32.9°F
Data storage	
Measurement memory manually	Max. 500 readings
Measurement memory autom.	Max. 65,000 measured values
Save interval	Adjustable, 1 ... 60 s

Send stored measurement data via USB	Yes
Real-time measurement via USB	Yes, max. 1 measured value / s
Alarms	
pH	Min. or max. adjustable
Temperature	Min. or max. adjustable
Stability control	Yes, change in pH / time
Languages	German, English, French, Dutch, Spanish
Display	3.2" color LCD
Interface	USB
User offset	-9.99 ... 9.99 pH
Dimensions (W x H x D)	93 x 184 x 35 mm / 3.7 x 7.2 x 1.4 in
Mass	About 400 g / < 1 lb
Protection	IP65
Power supply	3 x AA NiMH 2400-mAh

Operating time with batteries	Approx. 7 h Approx. 26 h with activated battery saving mode
Charging time of the batteries	About 7 h

Subject to change