



## Professional Meter PP-50



### Professional Meters – multitalented instruments featuring Sartorius quality.

Work professionally and perform error-free lab experiments

... for pH and ORP / redox potential, ion concentration and conductivity measurements

- Easy-to-operate with menu-driven functions and plain-language prompts
- The ultimate in measuring accuracy, reliability and repeatability of measured results
- All devices of this series feature automatic buffer recognition, automatic temperature compensation, automatic electrode function check, calibration reminder
- Data memory for up to 620 data records
- Bidirectional interface (RS232)

Two kits are available with a choice of different equipment:

Meter with electrode holding arm, technical buffers, AC adapter and operating instructions plus

- Refillable pH electrode with glass body, platinum junction and integrated temperature sensor  
**PP-50-P11**
- Refillable pH electrode with glass body and platinum junction  
**PP-50-P21**

### Measuring Range

Voltage in mV	-1800 ... +1800
pH	-2 ... +20
Ion measurement	1,00E -9 bis 9,99E 9
Conductivity in $\mu\text{S}/\text{cm}$ (Based on a cell constant of 2,54 cm)	0,5–20.000
Temperature in °C	-5 ... +105

### Resolution

Voltage in mV	0,1   1 adjustable
pH-Wert	0,1   0,01   0,001 adjustable
Ion measurement	1   2   3 digits adjustable
Conductivity	1   2   3   4 digits adjustable
Temperature in K	0,1

### Accuracy

Voltage in mV	$\pm 0,1$
pH	$\pm 0,002$
Ion measurement	$\pm 0,17 \%n$ (n = valency)
Conductivity	$\pm 0,5 \%$
Temperature in K	$\pm 0,2$
Housing dimensions in mm	230 x 120 x 80



pH-Electrode PY-P11  
pH-Electrode PY-P21



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Technical Buffer PY-Y21,  
PY-Y22 und PY-Y23

Key Accessories	Order No.
pH electrode, glass body, platinum junction, refillable, integrated temperature sensor NTC 10 k $\Omega$	PY-P11
pH electrode, glass body, platinum junction, refillable	PY-P21
Conductivity cell with platinum electrodes $c = 1 \text{ cm}^{-1}$	PY-C02
Conductivity cell with graphite electrodes $c = 0,475 \text{ cm}^{-1}$	PY-C12
Ion selective electrode Fluoride	PY-I01
Ion selective electrode Ammonia	PY-I02
Ion selective electrode Sodium	PY-I03
Ion selective electrode Chloride	PY-I04
Ion selective electrode Nitrate	PY-I05
Ion selective electrode Potassium	PY-I06
Ion selective electrode Calcium	PY-I07
Ion selective electrode Silver   Sulfide	PY-I08
Technical buffer pH = 4,00 at 25°C	PY-Y21
Technical buffer pH = 7,00 at 25°C	PY-Y22
Technical buffer pH = 10,00 at 25°C	PY-Y23
Elektrolyte solution, KCL, 3 mol/L, silverion free	PY-Y07
Conductivity standard 147 $\mu\text{S/cm}$	PY-Y11
Conductivity standard 1.413 $\mu\text{S/cm}$	PY-Y12