

**SM930**  
*BENCHTOP METER*



## DESCRIPTION

Precision benchtop meter is suitable for measuring the pH, ORP and ion concentration. Easy-to-use instrument with expanded memory that stores up to 500 data sets. Excellent choice for electroanalytical techniques that use ion selective electrodes (ISE) to measure the concentration of specific ions.

### TECHNICAL PARAMETERS

#### CALIBRATION DUE ALARM

1 to 31 days

#### DISPLAY

LCD

#### MEMORY

500 data sets

#### CONNECTOR

BNC; 3.5 mm jack socket

#### COMMUNICATION INTERFACE

USB

#### DIMENSIONS

210 x 188 x 60 mm

#### WEIGHT

1.5 kg

#### POWER SUPPLY

DC 5V

### pH

#### RANGE

-2.000 to 20.000 pH

#### ACCURACY

±0.002 pH

#### RESOLUTION

0.001, 0.01, 0.1 pH

#### CALIBRATION POINTS

1 to 5 points (USA, NIST or DIN)

#### TEMPERATURE COMPENSATION

0 to 100°C, 32 to 212°F (manual or automatic)

### ORP (mV)

#### RANGE

-1999.9 to 1999.9 mV

#### ACCURACY

±0.2 mV

#### RESOLUTION

0.1, 1 mV

#### CALIBRATION POINTS

1 point (only for relative mV mode)

### ION CONCENTRATION

#### RANGE

0.001 - 19,999 ppm, mg/L, mol/L (depending on the range of ISE)

#### CALIBRATION POINTS

2 to 5 points

#### RESOLUTION

0.001, 0.01, 0.1, 1

#### ACCURACY

±0.5% F.S. (monovalent); ±1% F.S. (divalent)

#### CALIBRATION SOLUTIONS

0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000 ppm, mg/L, mol/L

#### MEASUREMENT UNITS

ppm, mg/L and mol/L



## KEY FEATURES

- Equipped with a large backlit LCD display.
- Automatic temperature compensation ensures accurate readings over the entire range.
- Reset, calibration due alarm, and hold functions.
- Intuitive control panel with stable indicator which indicates the measured value has stabilized.
- USB communication interface for data transfer and timed interval readings.

## STANDARD ACCESSORIES

- pH electrode
- Temperature probe
- Buffer pouches
- Electrode holder
- USB cable
- Power adapter

## OPTIONAL ACCESSORIES

- ORP electrode
- Ion-selective electrodes: Ammonium ( $\text{NH}_4^+$ ), Bromide ( $\text{Br}^-$ ), Cadmium ( $\text{Cd}^{2+}$ ), Calcium ( $\text{Ca}^{2+}$ ), Chloride ( $\text{Cl}^-$ ), Cupric ( $\text{Cu}^{2+}$ ), Cyanide ( $\text{CN}^-$ ), Fluoride ( $\text{F}^-$ ), Iodide ( $\text{I}^-$ ), Lead ( $\text{Pb}^{2+}$ ), Nitrate ( $\text{NO}_3^-$ ), Potassium ( $\text{K}^+$ ), Silver ( $\text{Ag}^+$ ), Sodium ( $\text{Na}^+$ ), Sulphide ( $\text{S}^{2-}$ ) and Ammonia ( $\text{NH}_3$ ).