



# ProLab 1000 Bench Top pH Meter

Professional bench top pH meters for laboratory analysis.



## Description

The ProLab 1000 professional bench top pH meters were designed to perfectly match SI Analytics world class pH electrodes. With a measuring range from -2.000 to +20.000 pH and an accuracy of 0.003 pH the meter is especially suited for demanding measurements in a research laboratory or process control lab. The meters achieve their accuracy by using a feature called CalClock. The CalClock feature provides the unit with a unique combination of sensor evaluation and a calibration timer which controls all relevant calibration settings. The meter's sensor evaluation displays the pH electrode's quality in increments. The pH meters monitor the pH electrode's slope, zero point, and reaction time. The selected calibration interval is displayed as a countdown in six steps. When the time interval has elapsed the bench top pH meter activates an optical and acoustic signal. The bench top pH meter's automatic calibration of up to 5 points and automatic buffer recognition of 22 buffer sets guarantee trustworthy pH measurement results of the highest quality. The bench top pH meter's wireless sensor recognition and user identification features mean that every stored measurement can be assigned an electrode and user ID. The meter reads the pH electrode's calibration data directly from an ID-sensor. This means that even when using multiple ID-electrodes on the same pH meter, the correct calibration data is always chosen automatically. The meters also comply with further requirements by allowing you to set administrator rights or setting up user identification via an electronic ID card. Housed in a solid metal body the big and brilliant graphic display is protected by a one piece glass slide. The display shows you both the bench top pH meter's pH measurement and the current temperature. The bench top pH meter's weight of approximately 5 1/2 pounds (2.5 kg) guarantees a firm base. The S4D stand can be attached without tools either to the left or the right side to create an immovable unit.

- Automatic user identification
- Automatic sensor recognition
- Reliable and precise measurements
- Fast and easy GLP compliant documentation

## Specifications

### pH:

*Range:* -2.000 to 20.000 pH, -2.00 to 20.00 pH, -2.0 to 20.0 pH

*Accuracy ( $\pm 1$  digit):*  $\pm 0.003$  pH,  $\pm 0.01$  pH

*Calibration:* 22 pre-programmed pH buffer sets

*Automatic buffer recognition and display:* Yes

*Maximum pH calibration points:* 5

*Dead Stop Function:* Yes

### mV:

*Range:* -1999.9 to 1999.9 pH, -1999 to 1999 pH

*Accuracy ( $\pm 1$  digit):*  $\pm 0.2$  mV,  $\pm 1$  mV

*AutoRange function:* Yes (can be switched off)

### ISE Measurement:

*Range:* 0.000 to 999999 mg/l

*Display:* %, ppm, mg/kg, mol/l

*ISE Calibration Points:* 2, 3, 4, or 5

*Standard Concentrations:* 0.000 to 500000 mg/l

### Temperature:

*Range:* 14 to 248 °F (-10.0 to 120.0 °C)

*Accuracy ( $\pm 1$  digit):*  $\pm 0.2$  °F ( $\pm 0.1$  °C)

*Selectable °F/°C units:* Yes

*Automatic switch to manual temperature input when no temperature sensor is connected:* Yes

### Mechanical and electrical

*Display:* Black & white graphic, 4.7x3.5 inch (120x90 mm), backlit

*Contrast Adjustment:* Yes, via menu

*Glass Vision Panel:* Yes

*Data Storage:* 1500 data sets with intervals from 1 second to 60 minutes

*Calibration History:* Last 10 calibrations

*USB (slave) and RS232 interface:* Yes

*Lower Casing:* Metal diecast

*Keypad:* Plastic foil with tactile response

*Power Supply:* External 100-240VAC, 50/60 Hz or 9V battery

*Automatic power shutoff (battery):* No

*Dimensions (WxHxD):* 9.45x11.02x2.76in (240x280x70mm)

*Weight:* 5.5 lb (2.5 kgs)

*Compliance:* CE, cETLus

*Warranty:* 3 years

## Options and Accessories

**Lab 1000 Bench Top pH Meter Set (PN# 285203750)**  
Includes ProLab 1000 meter, A 161 1M-BNC-ID pH electrode, and accessories

**Lab 1000 Bench Top pH Meter (PN# 285204200)**  
Meter only.

See [www.globalw.com](http://www.globalw.com) for more options.



In the U.S. call toll free  
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