ProLab 3000 Laboratory pH Meter

Professional laboratory pH meters for benchtop analysis.

Description

The ProLab 3000 professional laboratory pH meters were designed to perfectly match SI Analytics world class pH and ion selective electrodes. With a measuring range from -2.000 to +20.000 pH, an accuracy of 0.002 pH and 0.1 mV, and an automatic temperature measurement range of -31°F to 302°F (-35°C to 150°C) the pH meter is especially suited for demanding measurements in a research laboratory or process control lab.

The 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 individual data (slope, zero point, ID number, and date of last calibration) directly from the special ID sensor. The pH meters also comply with further requirements by allowing you to set administrator rights or set up user identification via an electronic ID card. A special key ring pendant with a transponder is utilized as an "ID card" to identify registered users with the meter.

With a timeless, classy design the professional laboratory pH meter's case reflects the top quality rating of the ProLab instruments. Housed in a solid metal body the laboratory pH meter's big and brilliant graphic display is protected by a one piece glass slide.

The data can be stored on the laboratory pH meters in seven selectable intervals from 1 second to 60 minutes in addition to being able to select the measuring parameters. Additionally the 32 MB of flash memory and 32 MB of RAM allow for a huge amount of data recordings, however if this is not enough memory a USB stick can be directly connected to the laboratory pH meter to increase the memory capacity.

- Automatic user identification
- Automatic sensor recognition
- 2 channel pH/mV measurement
- Professional ISE measurement
- 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 (±1 digit): ±0.002 pH, ±0.01 pH
Calibration: 22 pre-programmed pH buffer sets
Automatic buffer recognition and display: Yes
Maximum pH calibration points: 5
Manual calibration with selectable buffers: Yes
mV:
Range: -2200.0 to 2200.0 mV
Accuracy (±1 digit): ±0.1 mV, ±1 mV
AutoRange function: No
mV differential measurement: Yes
ISE Measurement:
Range: 1.0E-40 to 9.9E39 mg/l
Display: %, ppm, mg/kg, mol/l
ISE Calibration Points: 2 to 9
Standard Concentrations: 1.00E-30 to 1.00E30 mg/ l
Methods: Standard addition, double standard addition, standard subtraction, sample addition, sample subtraction, blank addition, blank correction, reference measurement
Temperature:
Range: -31.0 to 302 °F (-35.0 to 150.0 °C)
Accuracy (±1 digit): ±0.2 °F (±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: QVGA color graphic display, 4.7x3.5 inch (120x90 mm), backlit
Contrast Adjustment: No
Glass Vision Panel: Yes
Channels: 2 (galvanically separated)
Data Storage: >10000 data sets with intervals from 1 second to 60 minutes
Calibration History: Last 10 calibrations
USB (slave) and RS232 interface: Yes
USB (host): Yes
Lower Casing: Metal diecast
Keypad: Plastic foil with tactile response
Power Supply: External 100-240VAC, 50/60 Hz
Dimensions (WxHxD): 9.45x11.02x2.76in (240x280x70mm)
Weight: 5.5 lb (2.5 kgs)
Compliance: CE, cETLus
Warranty: 3 years

Options and Accessories

Lab 3000 Laboratory pH Meter Set (PN# 285203860)
Includes ProLab 3000 meter, IL-pHT-A170MF-BNC-N pH electrode, and accessories

Lab 3000 Laboratory pH Meter (PN# 285204250)
Meter only.

See www.globalw.com for more options.

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a xylem brand