



# pH3110 Field pH Meters

Field pH meters are optimized for rugged field conditions.



- Rugged, waterproof and field-friendly
- pH meter kit includes everything in convenient carry case
- Continuous calibration monitoring (pH 3210)

## Description

These user-friendly field pH meters are optimized for field use, but are accurate enough for the lab. Both meters meet IP66/67 standards – no worrying about using it in the rain and mud, or accidentally dropping it in the water. They have a sealed silicone keypad which offers real button response, yet allows for easy cleaning. Among the meter's great features are: simultaneous display of pH or mV with temperature, choice of automatic or manual temperature compensation, and up to 3 point calibration with automatic buffer recognition at eight buffer values.

The pH 3110 meter is a great value for a robust and waterproof battery-operated pH/mV meter. The instrument's AutoRead function ensures stable and reproducible results. Typical applications for this meter include simple pH measurements or use in high schools and universities.

The pH 3210 meter also includes a built-in datalogger, real-time clock, GLP-supporting functions, backlit display for calibration and can be switched between pH and mV reading modes. The meter can be configured with the MultiCal® automatic calibration for buffer recognition, and automatic temperature compensation. It has a continuous measurement control (CMC) function that alerts you when your meter is reading outside of the calibrated range. This meter's large memory allows you to manually store 200 datasets.

## Specifications

### Range:

pH: -2.0 to 19.9, -2.00 to 19.99, -2.000 to 19.999

mV (3110): ±1200.0 mV, ±2000.0 mV

mV (3210): ±1200.0 mV, ±2500.0 mV

Temp: 23 to 221 °F (-5.0 to +105.0 °C)

### Accuracy:

pH: ±0.1, ±0.01, ±0.005

mV: ±0.3, ±1

Temp: ±0.2 °F (±0.1 °C)

Resolution: All values ±1 digit

### Calibration:

3110: 1, 2, 3, point

3210: 1, 2, 3, 4, or 5 point

### Display:

3110: 7-Segment LCD, customized

3210: LCD backlit graphic

Sensor Plug: DIN/4mm Banana

Memory (3210 only): 200 manual datasets

Power: Four 1.5V AA batteries or four 1.2 V NiMH

Battery Life (3110): Up to 2500 hours

Battery Life (3210): Up to 1000 hours w/o backlight, 150 hours w/ backlight

Dimensions (LxWxH): 6.78" x 3.15" x 1.46" (172mm x 80mm x 37mm)

Weight: 0.66 lb (0.3kg)

## Options and Accessories

### 2AA112 pH 3110 Set - Field pH Meter Kit

Includes meter, probe, case & accessories.

### 2AA212 pH 3210 Set - Field pH Meter Kit

Includes meter, probe, case & accessories.

### 103635 SenTix 41 – pH combination electrode w/temp

Epoxy electrode with gel electrolyte on 3.3 ft (1m) of cable

### 103631 SenTix 21 – pH combination electrode w/o temp

Epoxy electrode with gel electrolyte on 3.3 ft (1m) of cable



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