

Easy-to-Operate Precision pH Meters, Ideal for Quality Control



The pH 210 and pH 211 are advanced microprocessor based bench pH meters that are easy to operate, perfect for quality control laboratory applications.

pH 210 performs pH and temperature measurements, while pH 211 also measures in the mV range. Precise and inexpensive, these meters are ideal for a wide range of measurement applications.

Both instruments have 5 memorized buffers for calibration (pH 4.01, 6.86, 7.01, 9.18 and 10.01), and the automatic recognition system eliminates calibration error. The user is guided through the calibration process with simple instructions on the display.

Temperature compensation is automatic thanks to the probe supplied with the instrument, if necessary the user can also set temperature compensation manually. The large display shows pH (or mV) and temperature values simultaneously.

pH 211R is a separate model that also features 0-5 V analog output.



Specifications

| | | pH 210 | pH 211 | pH 211R |
|--------------------------|---|-------------------|---------------------|-------------------|
| Range | pH | -2.00 to 16.00 pH | -2.00 to 16.00 pH | -2.00 to 16.00 pH |
| | mV | — | ±399.9 mV; ±2000 mV | — |
| | Temperature | -9.9 to 120.0°C | -9.9 to 120.0°C | -9.9 to 120.0°C |
| Resolution | pH | 0.01 pH | 0.01 pH | 0.01 pH |
| | mV | — | 0.1 mV; 1 mV | — |
| | Temperature | 0.1°C | 0.1°C | — |
| Accuracy (@20°C) | pH | ±0.01 pH | ±0.01 pH | ±0.01 pH |
| | mV | — | ±0.2 mV; ±1 mV | — |
| | Temperature | ±0.4°C | ±0.4°C | — |
| pH Calibration | automatic, 1 or 2 point with 5 memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01) | | | |
| Temperature Compensation | automatic (with HI 7669/2W probe) or manual from -9.9 to 120°C | | | |
| Analog Output | — | | 0-5 V | |
| pH Electrode | HI 1131B, glass-body, double junction, refillable, BNC connector, 1 m cable (included) | | | |
| Temperature Probe | HI 7669/2W with 1 m (3.3') cable (included) | | | |
| Input Impedance | 10 ¹² Ohm | | | |
| Power Supply | 12 Vdc adapter (included) | | | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% | | | |
| Dimensions | 240 x 182 x 74 mm (9.4 x 7.2 x 2.9") | | | |
| Weight | 1.1 kg (2.4 lb.) | | | |

Accessories

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|------------|--|-----------|--|
| HI 1131B | Refillable pH electrode with BNC connector | HI 7010L | pH 10.01 buffer solution, 500 mL bottle |
| HI 7669/2W | Temperature probe | HI 77400P | pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each |
| HI 76404 | Electrode holder | HI 70300L | Electrode storage solution, 500 mL bottle |
| HI 7004L | pH 4.01 buffer solution, 500 mL bottle | HI 8427 | pH/mV electrode simulator |
| HI 7007L | pH 7.01 buffer solution, 500 mL bottle | HI 93100I | pH/mV electrode simulator with display |

Ordering Information

pH 210, pH 211 and pH 211R are supplied complete with HI 1131B pH electrode, HI 7669/2W temperature probe, pH 4 and pH 7 buffer sachets (20 mL each), electrode refilling solution, electrode holder, 12 Vdc power adapter and instructions.

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH and ORP electrodes, see section E. For accessories, see section U.