

pH Measurement Has Never Been So Easy



HANNA instruments' philosophy has always been to satisfy customer needs in different application fields. For this reason, many classes of instruments have been designed to measure a specific parameter.

pH measurement is extremely important where the quality of water is of primary concern. This includes the food industry, textiles, water analysis, wastewater, as well as engineering, paper mills and tanning.

pH 20 and pH 21 were designed following this philosophy. Compact and simple to use, they perform quick measurements and are suitable for education, where the first exposure to measuring instruments takes place.

Both meters provide centesimal resolution. pH 21 also performs measurements directly in mV and can be used for ORP measurements.

To provide the user with complete information on the analyzed sample, measurements can be manually or automatically compensated for temperature variations with HI 7662 probe (optional).



Specifications

| | | pH 20 | pH 21 |
|--------------------------|---|-------|------------------|
| Range | pH | — | 0.00 to 14.00 pH |
| | mV | — | -1999 to 1999 mV |
| Resolution | Temperature | — | 0.0 to 100.0 °C |
| Accuracy | pH | — | 0.01 pH |
| | mV | — | 1 mV |
| Temperature Compensation | Temperature | — | 0.1 °C |
| | pH | — | ±0.02 pH |
| Probes | mV | — | ±2 mV |
| | Temperature | — | ±1 °C |
| Temperature Compensation | manual (adjustable with arrow keys) or automatic from 0 to 100°C (with temperature probe) | | |
| Probes | HI 1110B pH electrode (included); HI 7662 temperature probe (optional) | | |
| pH Calibration | automatic, 1 or 2 point (pH 4.01, 7.01, 10.01) | | |
| Input Impedance | 10 ¹² Ohm | | |
| Power Supply | 12 Vdc adapter (included) | | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% | | |
| Dimensions | 230 x 170 x 75 mm (9.1 x 6.7 x 3.0") | | |
| Weight | 500 g (1.1 lb.) | | |

Accessories

| | | | |
|-----------|--|-----------|---|
| HI 1110B | pH electrode with BNC connector and 1 m (3.3') cable | HI 7007L | pH 7.01 buffer solution, 500 mL bottle |
| HI 3131B | ORP electrode with platinum sensor | HI 7010L | pH 10.01 buffer solution, 500 mL bottle |
| HI 7662 | Temperature probe | HI 70300L | Electrode storage solution, 500 mL bottle |
| HI 76405 | Electrode holder | HI 710005 | 115 Vac / 12 Vdc adapter |
| HI 70000P | Electrode rinsing solution, 20 mL sachet, 25 pcs. | HI 710006 | 230 Vac / 12 Vdc adapter |
| HI 7004L | pH 4.01 buffer solution, 500 mL bottle | | |

Ordering Information

pH 20 is supplied complete with HI 1110B pH electrode, 12 Vdc power adapter and instructions.

pH 21 is supplied complete with HI 1110B pH electrode, 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.