

pH Specifications

pH Range -2.000 to 16.000 pH (Standard Mode), -2.00 to 16.00 pH (Basic Mode)

pH Resolution 0.001 pH, 0.01 pH

pH Accuracy (@25°C/77°F) ±0.01 pH, ±0.002 pH

pH Calibration 5 points (Standard mode) 1.68, 4.01 (3.00†), 6.86, 7.01, 9.18, 10.01, 12.45, and two custom buffers; 3 points (Basic mode) 4.01; 6.86; 7.01; 9.18; 10.01

pH Temperature Compensation ATC: -5.0 to 100.0°C; 23.0 to 212.0°F*

mV Range ±1000.0 mV; ±2000.0 mV

mV Resolution 0.1 mV

mV Accuracy ±0.2 mV (±999.9 mV); ±1 mV (±2000 mV)

Relative mV Calibration Single point calibration

Temperature Specifications

Temperature Range -20.0 to 120.0 °C, -4.0 to 248.0 °F

Temperature Resolution 0.1 °C, 0.1 °F

Temperature Accuracy ±0.5 °C, ±0.9 °F

°C/°F Yes

Additional Specifications

pH Electrode Diagnostics Glass and reference junction diagnostics (HI 11311 & HI 12301 only), out of calibration range , probe condition, response time

GLP Yes

Logging up to 1000*** records organized in: Manual log-on-demand (Max. 200 logs), Manual log-on-stability (Max. 200 logs), Interval logging *** (Max. 600 samples; 100 lots)

Connectivity	1 micro USB port for charging and PC connectivity, 1 USB port for storage
Environment	0 to 50°C (32 to 122°F), RH max 95% non-condensing
Battery Type/Life	Built-in rechargeable battery with up to 8 hours of continuous use
Power Supply	5 VDC adapter (included)
Dimensions	202 x 140 x 12.7mm (8" x 5.5" x 0.5")
Weight	250 g (8.82 oz)
Ordering Information	edge® HI2002 includes benchtop docking station with electrode holder, wall mount cradle, USB cable, HI11310 glass body refillable pH electrode with temperature sensor, 2 sachets each of pH 4, 7, 10, cleaning and storage solution, 5 VDC power adapter and instruction manual.

* temperature limits will be reduced to actual probe/sensor limits

*** For standard mode only (logging)

† pH 3.00 is only visible when using specific pH electrodes and will replace pH 4.01

Notes buffer