

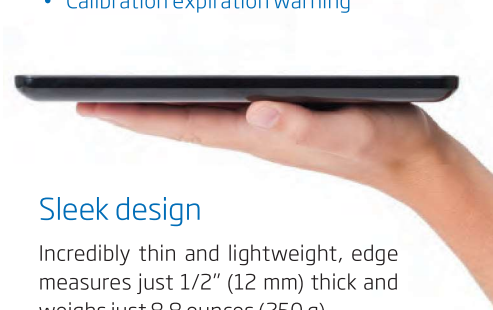


## Digital electrodes

edge® measures pH, conductivity and dissolved oxygen through its unique digital electrodes. These digital electrodes are auto-recognized, providing sensor type, calibration data and a serial number when connected to edge by an easy to plug-in 3.5mm connector.

- Simply connect each probe via the 3.5 mm jack, Digital Smart Electrodes are automatically recognized
- Resolution selectable from 0.01 and 0.001 pH
- Range -2.000 to 16.000 pH
- Accuracy  $\pm 0.002$  pH for 0.001 pH resolution;  $\pm 0.01$  for 0.01 resolution
- Data logging
  - Manual log-on-demand
  - Manual log-on-stability
  - Interval logging
- Temperature readout ( $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ )
- Automatic Temperature Compensation (ATC)
- CAL Check™ Indicators:
  - Probe condition
  - Response time
  - Check buffer
  - Clean electrode
- Sensor Check™ Indicators:
  - Broken electrode
  - Clogged junction

- GLP data
  - Records date, time, offset, slope and buffers used during calibration
- Five-point calibration
  - A choice of seven pre-programmed buffers plus two selectable custom buffers
- Calibration tag on screen
  - Identifies buffers used for current calibration
- Calibration expiration warning



## Sleek design

Incredibly thin and lightweight, edge measures just 1/2" (12 mm) thick and weighs just 8.8 ounces (250 g).

All edge compatible pH, EC and dissolved oxygen digital probes are interchangeable with edge.

Specifications	HI2020
pH	Range* -2.00 to 16.00 pH; -2.000 to 16.000 pH <sup>†</sup>
	Resolution 0.01 pH; 0.001 pH <sup>†</sup>
	Accuracy (@25°C/77°F) $\pm 0.01$ pH; $\pm 0.002$ pH <sup>†</sup>
	Calibration automatic, up to three points (five points <sup>†</sup> ) calibration, 5 standard (7 standard <sup>†</sup> ) buffers available (1.68 <sup>†</sup> , 4.01 or 3.00, 6.86, 7.01, 9.18, 10.01, 12.45 <sup>†</sup> ) and two custom buffers <sup>†</sup>
	Temperature Compensation* automatic, -5.0 to 100.0°C (23.0 to 212.0°F) (using integral temperature sensor)
	Electrode Diagnostics standard mode: probe condition, response time and out of calibration range
mV pH	Range $\pm 1000$ mV
	Resolution 0.1 mV
	Accuracy (@25°C/77°F) $\pm 0.2$ mV
Temperature	Range* -20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution 0.1°C; 0.1°F
	Accuracy $\pm 0.5^{\circ}\text{C}$ ; $\pm 0.9^{\circ}\text{F}$
Additional Specifications	Probe (included in pH kit) HI11310 digital glass body pH electrode with 3.5 mm (1/8") connector and 1 m (3.3') cable
	Logging up to 1000 <sup>†</sup> (400 for basic mode) records organized in: manual log-on-demand (max. 200 logs), manual log-on-stability (max. 200 logs), interval logging <sup>†</sup> (max. 600 samples; 100 lots)
	Connectivity 1 USB port for storage; 1 micro USB port for charging and PC connectivity
	Environment 0 to 50°C (32 to 122°F); RH max 95% non-condensing
	Power Supply 5 VDC adapter (included)
	Dimensions / Weight 202 x 140 x 12 mm (7.9" x 5.5" x 0.5") / 250 g (8.82 oz.)
Ordering Information	<p><b>HI2020-01</b> (115V) and <b>HI2020-02</b> (230V) pH kit includes: HI11310 glass body, refillable pH electrode, pH 4 buffer solution sachets (4), pH 7 buffer solution sachets (2), pH 10 buffer solution sachets (2), and electrode cleaning solution sachets (2), benchtop docking station with electrode holder, wall-mount cradle, USB cable, 5 VDC power adapter, quality certificates and instruction manual.</p> <p>All edge compatible pH, EC and DO digital probes are interchangeable with HI2020 and can be ordered separately.</p>

\* limits will be reduced to actual probe limits  
<sup>†</sup> standard mode only