



edge[®]DO–Innovation in a Single Parameter

edge[®]DO's groundbreaking design is the culmination of Hanna's vision, design capabilities, integrated production and world class R&D. edge[®]DO is a single meter that can measure pH and ORP and is incredibly easy to use.

Additional feature information

- Clark type digital polarographic probe with easy-to-replace membrane cap
 - Covers all ranges from 0.00 to 45.00 mg/L (ppm); 0.0 to 300% saturation
- Accuracy $\pm 1.5\%$ full scale
- One or two-point calibration (HI7040), 0% (solution) and 100% (air)
- Data logging
 - Manual log-on-demand
 - Manual log-on-stability
 - Interval logging
- Automatic Temperature Compensation from 0 to 50 °C
- GLP data
 - Records date, time, calibration standards, altitude value and salinity value
- Altitude compensation from -500 to 4000 meters (-1640 to 13,123')
- Salinity compensation from 0 to 40g/L

edge®DO technical features



- **Two USB ports**
 - edge®DO includes one standard USB for exporting data to a flash drive. edge®DO also includes one micro USB port for exporting files to your computer as well as charging edge®DO when the cradle is not available.



- **Clear, full text readout**
 - edge®DO features clear, full text guides displayed on the bottom of the screen. There is no need to decipher scrambled abbreviations or symbols; these helpful messages guide you through every process quickly and easily.



- **Data logging**
 - edge®DO allows you to store up to 1000 log records of data. Logging data sets include readings, GLP data, date and time.



- **GLP**
 - Data from the last calibration you perform is stored in the sensor including the date, time and standards. When the sensor is connected to edge DO, GLP data is automatically transferred.



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

0

footprint

0.5

inch thick
(12.7 mm)

8.8

oz. weight
(250 g)

8

hours battery
life

5.5

inch display
(14 cm)

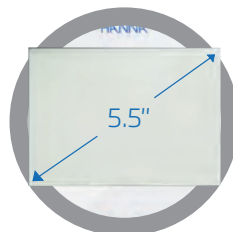
2

USB ports

edge®DO design features



- **Capacitive touch keypad**
 - edge®DO features a capacitive touch keypad that gives a distinctive, modern look. Since the keypad is part of the screen, your buttons can never get clogged with sample residue.



- **Easy to read LCD**
 - edge®DO features a 5.5" (14 cm) LCD display that you can clearly view from over 5 m (16.4'). The large display, with its wide 150° viewing angle, provides one of the easiest to read LCDs in the industry.



- **Zero footprint**
 - Using the wall mount cradle (included), edge®DO can be placed on a wall, leaving zero footprint on the benchtop space. The cradle has a built-in connector to power edge®pH and charge its batteries.

- **3.5 mm probe input**
 - Plugging an electrode in has never been simpler; no alignments or broken pins, simply connect the 3.5 mm plug and begin. Digital electrodes are automatically recognized.

A hybrid meter that can be used in portable, wall-mount and bench-top configurations

The versatile design of edge®DO enables it to be used as a portable, wall-mount or benchtop meter. edge DO simplifies measurement, configuration, calibration, diagnostics, logging and transferring data directly to a computer or USB drive.



- **Portable field unit**

- edge DO is ideal for field use due to its light weight, large screen and thin design. It can be easily slipped into a backpack or messenger bag. Up to 8 hours of battery life when used as a portable device



- **Wall mount cradle**

- The included wall mount cradle makes it easy to conserve space on the benchtop and can charge edge DO with the AC adapter. Ideal for continuous monitoring applications



- **Electrode holder with built-in cradle**

- The included electrode holder features a swivel, adjustable arm with a built-in cradle to hold edge DO securely in place at the optimum viewing angle

Digital electrodes



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

- Simply connect each probe via the 3.5 mm jack; digital Smart electrodes are automatically recognized

Dissolved oxygen electrode



HI764080 (included)

Dissolved oxygen electrode with temperature sensor

Recommended for general purpose

Specifications		edge DO
DO	Range	0.00 to 45.00 ppm (mg/L); 0.0 to 300.0 % saturation
	Resolution	0.01 ppm (mg/L); 0.1 % saturation
	Accuracy	± 1.5% of reading ±1 digit
	Calibration	one or two-point at 0% (HI7040 solution) and 100% (in air)
	Temperature Compensation	ATC (0 to 50°C; 32.0 to 122.0°F)*
	Salinity Compensation	0 to 40 g/L (with 1 g/L resolution)
	Altitude Compensation	-500 to 4000 m (-1640 to 13120') (with 100 m (328') resolution)
Temperature	Range*	-20.0 to 120.0°C; -4.0 to 248.0°F
	Resolution	0.1°C; 0.1°F
	Accuracy	±0.5°C; ±0.9°F
Additional Specifications	Probe	HI764080 digital dissolved oxygen electrode with 3.5 mm (1/8") connector and 1 m (3.3') cable (included)
	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 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	202 x 140 x 12 mm (7.9" x 5.5" x 0.5")
	Weight	250 g (8.82 oz.)
Ordering Information		HI2004-01 (115V) and HI2004-02 (230V) edge®DO includes: HI764080 dissolved oxygen electrode, HI7041S refill electrolyte solution, DO membrane caps (2), o-rings (2), benchtop docking station with electrode holder, wall-mount cradle, USB cable, 5 VDC power adapter, quality certificates and instruction manual.

* temperature limits will be reduced to actual probe limits

** with temperature compensation function disabled

† standard mode only