

# edge® DO

edge®DO is thin and lightweight, measuring just 1/2" (12 mm) thick and weighing less than 9 ounces (250 g). edge®DO has an incredibly wide viewing angle, 5.5" (14 cm) LCD and a sensitive capacitive touch keypad.

edge®DO measures dissolved oxygen through its unique digital dissolved oxygen electrodes. These digital dissolved oxygen electrodes are auto-recognized, providing sensor type, calibration data and a serial number when connected to edge®DO by an easy to plug-in 3.5mm connector. The versatile design of edge®DO enables it to be used as a handheld, benchtop or wall-mounted meter. edge®DO simplifies measurement, configuration, calibration, diagnostics, logging and transferring data directly to a computer or USB drive.

## Dissolved Oxygen

- 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% air saturation
- Accuracy  $\pm 1.5\%$  full scale
- One or two-point calibration (HI7040), 0% (solution) and 100% (air)
- 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

### Sleek Design

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



## 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. Data sets include readings, GLP data, date and time.
- **GLP**  
Data of the last calibration you perform is stored in the sensor including the electrode's calibration points, date and time. When a compatible dissolved oxygen sensor is connected to edge®DO, GLP data is automatically transferred.

Accepts edge®DO compatible dissolved oxygen probe

## 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.



- **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®DO and charge its batteries.



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



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



- **Portable field unit**
  - edge®DO is ideal for field use due to its light weight, large screen and thin design. It can be 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.

### Specifications

### edge®DO

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	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
	Electrode	HI764080 digital dissolved oxygen electrode with 1/8" (3.5mm) connector and 1 m (3.3') cable (included)
	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 (8" x 5.5" x 0.5")
	Weight	250 g (8.82 oz.)
<b>Ordering Information</b>	<b>HI2004-01</b> (115V) and <b>HI2004-02</b> (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 certificate and instruction manual.	

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

DO solutions begin on page 7.21

[www.hannainst.com](http://www.hannainst.com)

**HANNA**  
instruments

7.11



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