Conductivity

Dissolved Oxygen

- Covers all ranges from 0.00 µS/cm to 500 mS/cm (absolute EC)
- \pm 1% of the reading \pm (0.05 µS/cm or 1 digit, whichever is greater)
- Offset (0 µS/cm) and cell factor calibration
- Choice of 5 standards

- NoTC (absolute)
- Records date, time, offset, and cell constant

- 0.00 45.00 mg/L (ppm)

- altitude value and salinity value



Ordering Information



Hanna Instruments Ltd Eden Way, Pages Industrial Park Leighton Buzzard, Bedfordshire LU7 4AD Tel: 01525 850 855 www.hannainst.co.uk

HannaNorden AB Energigatan 15 B, 434 37 KUNGSBACKA Sverige / Sweden Tel: +46 300 404018 www.hannanorden.com

Electrodes





HANNA







pН

- Clogged junction
- Records date, time, offset, slope and buffers
- A choice of 7 pre-programmed buffers plus 2 selectable custom buffers
- Identifies buffers used for current calibration



edge[™] pH • EC • DO

Hanna Instruments is proud to introduce the world's most innovative pH meter... **edge**™.

edge is thin and lightweight, measuring just 12.7 mm and weighing 250 grams. **edge** also has an incredibly wide viewing angle, a 140 mm LCD and a sensitive capacitive touch keypad.

edge measures pH, conductivity and dissolved oxygen through its unique digital electrodes. These digital electrodes are autorecognised. Providing sensor type, calibration data and a serial number, they connect to **edge** using an easy plug-in 3.5mm connector. **edge's** versatile design is equally at home in your hand, on a lab bench or mounted on a wall. **edge** simplifies measurement, configuration, calibration, diagnostics, logging and transferring data to a computer or a USB drive.

edge features Hanna's exclusive CAL-CHECK® to warn you if the electrode you are using is not clean or if your buffers are contaminated during calibration. We have also added to CAL-CHECK for sensors with matching pin: now it warns you if the pH bulb is cracked and if the junction of the electrode is compromised.

edge is the culmination of Hanna's vision, design capabilities, integrated production facilities, and world class R&D teams. With **edge**, Hanna has set the new standard!

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edge

SETUP

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CAL MODIFY

GLP CFM

ANNAH



edge includes one standard USB for exporting data with a flash drive. **edge** also includes one micro USB port for you to connect to a computer for file export and for charging your edge when the cradle is not available.



rge, Easy to Read LCD

edge features a 140 mm LCD splay that you can clearly view rom over 5 metres. The large display and its wide 150° viewing angle provide one of the easiest to read LCD's in the industry.

lear, Full Text Readout



edge 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.

at Design



dge is incredibly thin and ghtweight, measuring just 12.7 mm thick and weighing just 250 grams.



Capacitive Touch Buttons

edge 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. The up and down keys move faster when continuously held (ideal for scrolling through numerous logs).



Cradle and Electrode Holder

edge is equipped with a benchtop radle with an adjustable swivel electrode holder to charge and hold the edge securely in place a the optimium viewing angle.

HANNA

CAL

GLP CFM

GLP



Technical Specifications

	Range	basic mode: -2.00 to 16.00 pH, -2.000 to 16.000 pH; standard mode: ±1000.0 mV for pH		
рН	Resolution	0.01 pH; 0.001 pH; 0.1 mV		
	Accuracy (@25°C/77°F)	±0.01 pH; ±0.002 pH; ±0.2 mV		
	Calibration Points	5 in standard mode; 3 in basic mode		
	Calibration Buffers	standard mode: 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45 and two custom buffers basic mode: 4.01, 6.86, 7.01, 9.18, 10.01		
	Temperature Compensation	ATC (-20.0 to 120.0°C; -4.0 to 248.0°F)*		
	pH Electrode (included)	HI-11310 glass body pH electrode with 1/8"(3.5mm) connector and 1 m (3.3') cable		
	Electrode Diagnostics	standard mode: probe condition, response time and out of calibration range		
		EC	TDS	Salinity
EC	Range	0.00 to 29.99 μS/cm; 30.0 to 299.9 μS/cm; 300 to 2999 μS/cm; 30.0 to 200.0 mS/cm; up to 500.0 mS/cm (absolute EC)**	0.00 to 14.99 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.50 to 14.99 g/L; 15.0 to 100.0 g/L; up to 400.0 g/L (absolute TDS)**, with 0.80 conversion factor	0.0 to 400.0 % NaCl; 0.01 to 42.00 PSU 0.0 to 80.0 g/L
	Resolution	0.01 μS/cm; 0.1 μS/cm; 1 μS/cm; 0.01 mS/cm; 0.1 mS/cm	0.01 ppm; 0.1 ppm; 1 ppm; 0.01 g/L; 0.1 g/L (0.8 TDS factor)	0.1 % NaCl; 0.01 PSU; .01 g/L
	Accuracy (@25°C/77°F)	±1% of reading ±(0.5 μS or 1 digit, whichever is greater)	±1% of reading ±(0.03 ppm or 1 digit, whichever is greater)	±1% of reading
	Calibration	1 point offset calibration (0.00 μS/cm in air); 1 point slope calibration in EC standard 84 μS/cm, 1413 μS/cm, 5.00 mS/cm, 12.88 mS/cm, 80.0 mS/cm and 118.8 mS/cm	through EC calibration	1 point with HI-7037L100% Na(sea water standard (other scale: through EC calibration)
	Temperature Compensation	noTC, ATC (-20.0 to 120.0°C; 32.0 to 122.0 °F)		
	TDS Factor	0.40 to 0.80		
	EC Electrode (included)	HI-763100 digital conductivity platinum 4 ring electrode with 1m cable and 3.5mm plug		
DO	Range	0.00 to 45.00 ppm; 0.0 to to 300.0 % saturation		
	Resolution	0.01 ppm; 0.1 % saturation		
	Accuracy	±1.5% of reading ±1 digit		
	Calibration Points	one or two points at 0% (HI-7040 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 (with 100 m resolution)		
	DO Electrode (included)	HI-764080 digital dissolved oxygen polarographic electrode with 1m cable and 3.5mm plug		
Temperature	Range	-20.0 to 120.0°C; -4.0 to 248.0°F		
	Resolution	0.1°C; 0.1°F		
	Accuracy	±0.2°C; ±0.4 °F		
Additional Specifications	Logging	stores up to 1000 records: 200 records (log-on-demand and stability logging); 600 records interval logging		
	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 12.7mm (8" x 5.5" x 0.5")		
	Weight	250 g (8.82 oz.)		

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

** with temperature compensation function disabled



Pricing on any accessories shown can be found by keying the part number into the search box on our website. The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142 Fax : 01759 301143 sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.