

hanna EDGE single or multiparameter pH meter



Multiparameters

Single-parameter

Measure pH, conductivity or dissolved oxygen with the EDGE tablet and its smart digital probe kits!

► Features

- Measurements: pH, conductivity or oximetry
- Configurations, calibrations, diagnostics
- Internal memory (1000 measurements) or data transfer (PC or USB stick)
- Basic mode: ideal for routine measurements, with a simplified display
- Expert mode: for full instrument setup
- GLP compliance: storage of the last calibration data in the digital probe (when connected to the EDGE tablet, this information is transferred automatically)
- Automatic recognition of digital probes when connected
- CAL-Check function: checks that the calibration procedures are carried out correctly. (Only for pH measurements)
- Sensor Check function (HI 12301 and HI11311 digital pH probes only): monitoring of electrode impedance, detecting any related malfunction
- Multi-parameter models accept all digital probes

► The tablet

- Very thin : 13 mm thick
- Ultra-light : 250 g
- Glass front panel: can be used with gloves, glass protects the front of the tablet
- LCD display: 5.5 inch (14 cm), excellent readability, all displays in text messages
- Capacitive keypad
- 2 USB ports (1 USB for memory stick, 1 mini-USB to PC)
- Rechargeable via mains and USB
- 3.5 mm jack: robust, 'break-proof' connection
- Ergonomics: zero clutter, can be used in hand, on the bench or wall-mounted (bracket and wall-mount supplied with the kits)



EDGE is available in 3 kits: pH, EC or DO.

Each kit contains :

- The EDGE tablet
- Docking and charging station, with electrode holder
- Wall bracket
- USB cable
- 5V power adapter
- Operating guide
- + the specific contents of each kit (see below)

ANALYSIS AND MEASUREMENTS

	PH Kit		EC kit (conductivity)		DO kit (oximetry)	
Contains	- HI 11310 Digital pH electrode, refillable, glass body with a built-in temperature sensor. - Buffer solution sachets (pH 4, 7 and 10): 2 of each - Cleaning solution for electrodes - Quality certificate		- HI 76310 conductivity probe with a built-in temperature sensor - Calibration solution sachets (1413 µS/cm and 12880 µS/cm, 3 each) - Quality certificate		- HI 764080 Dissolved Oxygen probe with a built-in temperature sensor - HI 7041S electrolyte solution - 2 membranes and 2 seals for dissolved oxygen probe - Quality certificate	
Range	- Basic mode : - 2.00 to 16.00 pH - Standard mode: - 2.000 to 16.000 pH ± 1000,0		From 0.00 µS/cm to 500 mS/cm (absolute conductivity) - TDS and salinity		- 0.00 to 45.00 mg/l (ppm) - 0.0 to 300% oxygen saturation	
Resolution	0.01 pH; 0.001 pH; 0.1 mV		* Download the full brochure at www.dulis.nl for all information		0.01 mg/l (ppm); 0.1% saturation	
Accuracy	(at 25°C) ± 0.01 pH ; ± 0.002 pH ; ± 0.2 mV				1.5% of reading ± 1 digit	
Calibration	- Basic mode: in 3-point; standard mode: in 5-point - 7 standard buffers stored + 2 user-defined specific buffers*		- Calibration to 0 (in air) and cell constant factor - 6 standards to choose from		- In 1 or 2 points at 0% (with HI 7040 solution) and 100% (in air)	
Temperature compensation	Automatic from - 20,0°C to 120,0°C		Automatic from -20,0°C to 120,0°C (Can be switched off for absolute conductivity measurement)		Automatic from 0°C to 50°C	
Cat. No.	523674**	054503***	523703**	054504***	523704**	054505***
€ Excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -

** Single-parameter

*** Multiparameters

Additional digital electrodes/probes

The following digital probes, including those included in the kits, are the only ones compatible with the EDGE pH meter. Supplied with a 1 m cable.

Cat.No	Measures	Model	Body	Filling	Junction	Temperature sensor	Entrance** differential	€ Excl. VAT
054506	pH	HI 11310	Glass	Yes	Double	Integrated	No	NC -
054507	pH	HI 11311	Glass	Yes	Double	Integrated	Yes	NC -
054508	pH	HI 12300	Plastic	Gel	Double	Integrated	No	NC -
054509	pH	HI 12301	Plastic	Gel	Double	Integrated	Yes	NC -
054510	pH	HI 10530	Glass	Yes	Simple	Integrated	No	NC -
054511	pH	HI 10430	Glass	Yes	Double	Without	No	NC -
054512	Conductivity	HI 763100	-	-	-	Integrated	No	NC -
054513	Oximetry	HI 764080	-	-	-	Integrated	No	NC -

**The differential input is specific to the Sensor Check function.



Docking and charging station, with electrode holder

5V power adapter

Wall bracket

USB cable



Download the full EDGE datasheets at www.dulis.nl for full probe information and more technical data.