## pH Meters

# Hand-held, Waterproof pH Meters, Handylab HL100 and HL600 SI Analytics

- Ruggedly constructed, water-tight housing to IP67 standard
- Simultaneous display of pH or mV and temperature with subsidiary date and time
- AutoRead system provides a stable, precise measurement and CMC (Continuous Measurement Control) monitors whether the measurement is within calibration limits
- Automatic temperature compensation
- Calibration using up to 5 pre-programmed buffer sets
- Backlit, graphics LCD display

 Storage of up to 200 data sets which can be recalled and displayed

Additional features of HL600:

- IDS Technology digitisation of the measuring signal to reduce interference
- QSC (Quality Sensor Control) provides information on electrode condition and efficiency
- USB interface for outputting data as a .csv file or to MS-Excel files using software provided for the user's PC
- Enhanced data storage to 500 sets

Hand-held,	Waterproof	pH Meters,	Handylab
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As described. Supplied with combination pH/C electrode, fixed 1.5 metre connection cable, buffer solutions 4 x 1.5V, batteries, instructions and carrying case.

**PH400-25** Handylab HL100 Handylab HL600

#### **Accessories and Spares**

PH403-07 Spare pH/°C electrode for PH400-25

only

PH403-09 Spare pH/°C electrode for PH400-35

only

**CU612-65** Protective overboot, Z389 Battery, 1.5V (4 required)

#### **Buffer solutions**

20ml capacity, double-ended glass ampoules, steam sterilised and without preservative to extend solution shelf-life. The ampoules are scored at the tip of either end for ease of opening without tools. Solution accuracy ±0.01pH units at +25°C. Supplied in packs of 60 ampoules.

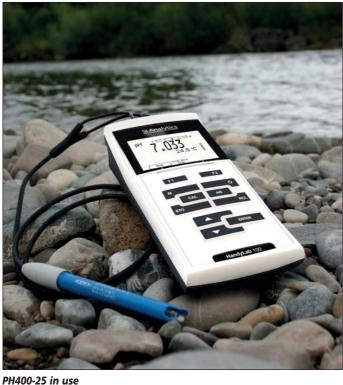
#### Standard buffers to DIN19266

**PH404-02** pH 1.68 **PH404-04** pH 4.01 **PH404-06** pH 6.87 **PH404-08** pH 9.18

### **Technical buffers to DIN19267**

**PH404-17** pH 4.00 **PH404-21** pH 7.00 **PH404-25** pH 10.00

Model	Handylab HL100	Handylab HL600	
Ranges x resolution, pH	-2.0 to 20.0 x 0.1, ±0.1	0.000 to 14.000 x 0.001, ±0.004	
accuracy	-2.00 to 20.00 x 0.01, ±0.01 -2.000 to 19.999 x 0.001, ± 0.005		
mV (ORP)		-1200.0 to +1200.00 x 0.01, ± 0.2	
,	-2500 to +2500 x 1, ±1	_	
Temp. comp. °C (°F selectable)	-5.0 to +105.0 x 0.1, ±0.1	-5.0 to +105.0 x 0.1, ±0.2	
Calibration points	Up to 5 — both models		
Stored buffers	22 pre-programmed — both mod	dels	
Calibration memory	1 x last undertaken	10 x last undertaken	
Timer	_	1 to 999 days	
Continuous Measurement ControlYes (CMC)	— both models		
Quality Sensor Control	No	Yes	
Datalogging memories	200 data sets	500 manual or 5000 automatic	
		data sets	
Logger	_	Yes (manual or timed)	
Outputs	_	Mini-USB-B	
ower 4 x 1.5V AA batteries — both models		odels	
Overall L x W x H mm	180 x 80 x 55 — both models		
Weight g	400 — both models		





PH400-35

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