

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

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

PH400-35 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

BL610-15 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 ± 0.01 pH 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, accuracy | pH -2.0 to 20.0 x 0.1, ± 0.1 | 0.000 to 14.000 x 0.001, ± 0.004 |
| | -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, ± 0.3 | -1200.0 to +1200.00 x 0.01, ± 0.2 |
| Temp. comp. °C (°F selectable) | -2500 to +2500 x 1, ± 1 | — |
| | -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 models | |
| Calibration memory | 1 x last undertaken | 10 x last undertaken |
| Timer | — | 1 to 999 days |
| Continuous Measurement Control (CMC) | Yes — 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 |
| Power | 4 x 1.5V AA batteries — both models | |
| Overall L x W x H | mm 180 x 80 x 55 — both models | |
| Weight | g 400 — both models | |



PH400-25 in use



PH400-35