

ENVIRONMENTAL MONITORING

Sheen



REF. HI-991000 WATERPROOF pH METER

The new HI-991000 offers IP 67 waterproof protection in a compact casing and is loaded with features that will simplify daily testing requirements. The 4-in-1 HI-292D glass pH electrode included with the meter has a built-in temperature sensor so that no additional temperature probe is required. It also contains a mini amplifier to boost the electrode signal and render the meter impervious to noise and interference. It is also suitable for use with most solvent based materials, paints, inks etc.

The meter shows readings from 0.00 to 14.00 pH on the primary display and shows the temperature simultaneously on the secondary LCD. The large display has numerous graphic symbols that guide the user through the operations including a stability indicator for the pH electrode which helps non-technical users determine when to take the pH readings.

The in-built BEPS (Battery Error Prevention System) avoids erroneous readings being made due to low battery voltage. The LCD shows as a percentage how much battery power is left, so that you receive early warning of weak batteries. Battery life of the meter guarantees over 1000 hours of continuous use.

Calibration is performed automatically by the instrument at one or two points. The user can select the calibration buffers between two sets of pH 4.01, 7.01 and 10.01 or pH 6.86, 7.01 and 9.18. All calibration and user settings are maintained even during and after battery replacement.



FEATURES

- **Stability Indicator** - The LCD shows when the pH electrode has stabilised and the reading is most accurate.
- **Automatic Calibration** - Choose between six memorised buffers to automatically calibrate the instrument.
- **Messages on the Display** - The operator is helped by graphic symbols visualised on the LCD.
- **Automatic Temperature Compensation** - With ATC, pH readouts are always accurate and precise.

SPECIFICATIONS

HI-991000	
Range	pH : 0.00 to 14.00pH Temperature : 0.0 to 60.0°C
Resolution	pH : 0.01pH EC/TDS : 1µS/cm;1 ppm Temperature : 0.1°C
Accuracy (@ 20°C/68°F)	pH : ±0.01pH Temperature : ±0.5 °C
pH Calibration	Automatic 1 or 2 points with 2 sets of memorised buffers
Temperature Compensation	pH : Automatic from 0 - 60°C
Electrode / Probe	HI-292D glass pH electrode with internal temperature sensor and amplifier, DIN connector and 1m cable (included)
Battery Life	1000 hours approximately
Environment	0 to 50°C (32 to 122°F); R.H. 100%
Dimensions	150 x 80 x 28 mm
Weight	210g

Owing to continuous development. we reserve the right to introduce improvements and modify specifications without prior notice.

Sheen Instruments Ltd

Unit 4, St. Georges Ind. Est., Richmond Road, Kingston, KT2 5BQ England.

Tel: 020 8541 4333 Fax: 020 8549 3374 Intl.Tel: 44 20 8541 4333 Intl.Fax: 44 20 8549 3374