



Portable multi-parameter electrochemical testing

HYDROCHECK HC1000

A portable rugged electrochemical meter for instant and accurate determination of a range of electrochemical measurements via a multi-head probe. Capable of measurement from 3 separate probes simultaneously using a flexible cable that is extendable up to 15 metres.



Available both in a field ready kit with a hard waterproof case and accessories, or as a single unit in a soft case.

- Rugged IP67 rated housing
- Industrial grade sensors
- Backlit LCD screen
- Automatic temperature compensation
- USB communication interface
- 500 data set memory with real time date/time stamp
- Capable of accurate ISE measurement with the addition of a Trace2o[®] ISE probe

DESCRIPTION		PART NUMBER
Complete HC1000 Kit	A robust hard shell carry case including: <ul style="list-style-type: none"> ● HC1000 multi-parameter meter ● Complete set of calibration buffers ● Replacements available, see page 39 ● Complete accessories pack 	WT14-200
HC1000 unit	An HC1000 photometer in a soft material case	WT14-300

TECHNICAL SPECIFICATIONS

	RANGE	ACCURACY	RESOLUTION
pH	-2.00 to 20.00	+/- 0.002	0.1/0.01/0.001
ORP	0- +/- 1999.9 mV	+/- 0.2 mV	1 or 0.1 mV
Conductivity	0 – 200 mS/cm	+/- 0.5% F.S.	1/0.1/0.01
TDS	0-10 ppt (max 20 ppt)	+/-1% F.S.	1/0.1/0.01 ppt
Salinity	0 – 80 ppt/psu	+/- 1% F.S.	0.1 ppt
Resistivity	0 – 100 MΩ	+/- 1% F.S.	1/0.1/0.01 MΩ
Dissolved Oxygen	0.0-20.0 mg/L (or ppm)	+/- 0.2 mg/L	0.1 mg/L
% O ₂ Saturation	0.0-200.0%	+/-2% F.S.	0.1%

OTHER SPECIFICATIONS – ALL UNITS

User Interface	<ul style="list-style-type: none"> ● Backlit multi-function LCD display ● Touch sensitive keypad ● Audible alerts
Data	<ul style="list-style-type: none"> ● USB connectivity ● 500 data set memory ● Real time date/time stamp
Sensors	<ul style="list-style-type: none"> ● Multi-sensor sonde housing ● Up to 15 metre cable ● Industrial grade sensors
Operation	<ul style="list-style-type: none"> ● Temperature compensation 0°C to 100°C ● Selectable stability ● Auto-hold ● Auto off with variable time setting ● Electrode diagnosis ● Calibration due reminder
Power	<ul style="list-style-type: none"> ● 3 x AAA/LR03 batteries ● USB power supply (non-recharging)
Dimensions mm	● 470 x 365 x 190 (in case in kit format)
Weight Kg	● 7.5 (in case in kit format)
Approvals	● CE conformity, IP67 rated





A range of Ion Selective Electrodes are available for use with the HC1000 to expand the testing capability of this unit. All electrodes are supplied with the correct calibration buffer/ISAB as standard.

HYDROCHECK EQUIPMENT

DESCRIPTION	PRODUCT CODE
HydroCheck HC1000, kit form with accessories (see page 36)	WT14-200
HydroCheck HC1000, in soft case	WT14-300
ELECTROCHEMISTRY PROBES	
Sonde attachment	WT14-401
pH electrode	WT14-402
Conductivity/TDS electrode	WT14-403
Dissolved oxygen electrode	WT14-404
Temperature probe	WT14-405
10 m probe extension cable	WT14-406
ISE PROBES	
Ion Selective Electrode (ISE) for Ammonia	WT14-450
Ion Selective Electrode (ISE) for Ammonium	WT14-452
Ion Selective Electrode (ISE) for Barium	WT14-454
Ion Selective Electrode (ISE) for Bromide	WT14-456
Ion Selective Electrode (ISE) for Cadmium	WT14-458
Ion Selective Electrode (ISE) for Calcium	WT14-460
Ion Selective Electrode (ISE) for Chloride	WT14-462
Ion Selective Electrode (ISE) for Copper/Cupric	WT14-464
Ion Selective Electrode (ISE) for Cyanide	WT14-466
Ion Selective Electrode (ISE) for Fluoride	WT14-468
Ion Selective Electrode (ISE) for Iodide	WT14-470
Ion Selective Electrode (ISE) for Lead	WT14-472
Ion Selective Electrode (ISE) for Nitrate	WT14-474
Ion Selective Electrode (ISE) for Perchlorate	WT14-476
Ion Selective Electrode (ISE) for Potassium	WT14-478
Ion Selective Electrode (ISE) for Silver	WT14-480
Ion Selective Electrode (ISE) for Sodium	WT14-482
Ion Selective Electrode (ISE) for Sulphide	WT14-484
Ion Selective Electrode (ISE) for Thiocyanate	WT14-486
Ion Selective Electrode (ISE) for Water Hardness	WT14-488

All supplied complete with calibration solutions.

HYDROCHECK CALIBRATION BUFFERS

DESCRIPTION	PRODUCT CODE
pH calibration solution 4.01 (60 ml)	WT14-500
pH calibration solution 7.01 (60 ml)	WT14-502
pH calibration solution 10.01 (Sachet)	WT14-504
EC calibration solution 84uS (60 ml)	WT14-506
EC calibration solution 1413uS (60 ml)	WT14-508
EC calibration solution 12880uS (60 ml)	WT14-510
DO zero point calibration solution (60 ml)	WT14-512
DO 100% (Saturation) calibration kit	WT14-514