

# HYDROCHECK<sup>®</sup> HC1000

## Portable Multiparameter Electrochemistry Meter

In the field, pH, conductivity (EC), TDS, ORP and dissolved oxygen are standard to evaluate the quality of water for both human consumption and industrial effluent.

The quality of water can change over time meaning the movement of samples from source to the laboratory can give misleading results.

Environmental analysis professionals therefore require fully portable and flexible kits that return results comparable with laboratory methods, including ISE measurement.

The HydroCheck<sup>®</sup> range of water testing kits from Trace2o<sup>®</sup> offers a selection of powerful solutions that can be used both in the field and laboratory for consistent and reliable water quality analysis. Using high quality electrochemical probes and robust build methods the HydroCheck<sup>®</sup> range is perfect for field applications even in the most challenging environments.



## BENEFITS

- Reduce fatigue with the lightweight, ergonomic and easy to hold handset



- Save time and money with instant results at source across many potential tests
- Simultaneously measure up to 3 parameters using the triple electrode sonde
- Quickly add a wide range of tests to speed up your field programme by attaching probes for various ISE parameters
- Field calibration is easy with preprogrammed one button calibration methods
- Reduce worry of damage in the field due to the impact resistant re-enforced digital screen
- Measure in any ambient light with the backlit graphical LCD display
- No loss due to accidental drops into water sources. The HydroCheck® HC1000 floats and is IP68 rated



- No need for additional accessories with the complete HC1000 engineers kit complete with an rugged IP68 case and pH, EC and DO probes
- Save money and space with the zipped canvas bag-packaged economical alternative unit with pH and EC probes
- Save time by quickly switching between multiple readings on the same screen
- Reduce training time and costs with simple one button programme selection
- High levels of stock at the Trace2o® warehouse means kits can reach the field fast, avoiding delays on your valuable results
- Avoid loss of data by using the 500 datapoint memory storage on the unit



- Rapid deployment in the field for emergency response due to its small, lightweight size and easy carriage
- Avoid the worry of power loss using the easy access waterproof battery compartment which uses both rechargeable and standard alkaline 9V/PP3 battery
- Communicate with your Laptop and store data using USB connectivity

## CONSUMABLES AND REAGENTS

DESCRIPTION	PACK SIZE	PART NUMBER
HydroCheck <sup>®</sup> HC1000 Engineer's Kit with pH, EC and DO probes	Unit	HC1000
HydroCheck <sup>®</sup> HTC000 Meter only in canvas bag with pH and EC probes	Unit	HC1000-MO
<b>CONSUMABLES AND REAGENTS</b>		
pH 4.01 Calibration solution	60ml	HCPH0401
pH 7.00 Calibration solution	60ml	HCPH0700
pH 10.01 Calibration solution	Sachet	HCPH1001
84µS EC Calibration solution	60ml	HCEC0084
1413µS EC Calibration solution	60ml	HCEC1413
12880µS EC Calibration Solution	60ml	HCEC1288
0% Oxygen calibration solution	60ml	HCDO0000
100% Oxygen calibration kit	Pack	HCDO1000
HydroCheck <sup>®</sup> HC1000 pH Probe	300 tests	HCELPH
HydroCheck <sup>®</sup> HC1000 EC Probe	300 tests	HCELEC
HydroCheck <sup>®</sup> HC1000 DO Probe	300 tests	HCELDO
HydroCheck <sup>®</sup> HC1000 ISE probe for Ammonia	300 tests	HC7ELNH3
HydroCheck <sup>®</sup> HC1000 ISE probe for Ammonium	300 tests	HC7ELHN4
HydroCheck <sup>®</sup> HC1000 ISE probe for Barium	300 tests	HC7ELBA
HydroCheck <sup>®</sup> HC1000 ISE probe for Bromide	25 tests	HC7ELBR
HydroCheck <sup>®</sup> HC1000 ISE probe for Cadmium	25 tests	HC7ELCD
HydroCheck <sup>®</sup> HC1000 ISE probe for Calcium	25 tests	HC7ELCA
HydroCheck <sup>®</sup> HC1000 ISE probe for Chloride	25 tests	HC7ELCL
HydroCheck <sup>®</sup> HC1000 ISE probe for Cupric	300 tests	HC7ELCU
HydroCheck <sup>®</sup> HC1000 ISE probe for Cyanide	300 tests	HC7ELCN
HydroCheck <sup>®</sup> HC1000 ISE probe for Fluoride	300 tests	HC7ELF
HydroCheck <sup>®</sup> HC1000 ISE probe for Iodide	300 tests	HC7ELI
HydroCheck <sup>®</sup> HC1000 ISE probe for Lead	300 tests	HC7ELPB
HydroCheck <sup>®</sup> HC1000 ISE probe for Nitrate	300 tests	HC7ELNO3
HydroCheck <sup>®</sup> HC1000 ISE probe for Perchlorate	300 tests	HC7ELCLO4
HydroCheck <sup>®</sup> HC1000 ISE probe for Potassium	300 tests	HC7ELK
HydroCheck <sup>®</sup> HC1000 ISE probe for Silver	300 tests	HC7ELAG
HydroCheck <sup>®</sup> HC1000 ISE probe for Sodium	300 tests	HC7ELNA
HydroCheck <sup>®</sup> HC1000 ISE probe for Sulfide	300 tests	HC7ELS
HydroCheck <sup>®</sup> HC1000 ISE probe for Thiocyanate	300 tests	HC7ELSCN
HydroCheck <sup>®</sup> HC1000 ISE probe for Water Hardness	300 tests	HC7ELHAR
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Ammonia	300 tests	HC7CALNH3
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Ammonium	300 tests	HC7CALHN4
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Barium	300 tests	HC7CALBA
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Bromide	300 tests	HC7CALBR
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Cadmium	300 tests	HC7CALCD
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Calcium	300 tests	HC7CALCA
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Chloride	300 tests	HC7CALCL
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Cupric	300 tests	HC7CALCU
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Cyanide	300 tests	HC7CALCN
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Fluoride	300 tests	HC7CALF
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Iodide	300 tests	HC7CALI
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Lead	300 tests	HC7CALPB
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Nitrate	300 tests	HC7CALNO3
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Perchlorate	300 tests	HC7CALCLO4
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Potassium	300 tests	HC7CALK
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Silver	300 tests	HC7CALAG
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Sodium	300 tests	HC7CALNA
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Sulfide	300 tests	HC7CALS
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Thiocyanate	300 tests	HC7CALSCN
HydroCheck <sup>®</sup> HC1000 ISE calibration kit for Water Hardness	300 tests	HC7CALHAR

For more information or for a quotation visit [www.trace2o.com](http://www.trace2o.com), call +44 (0)1635 866772, tweet @Trace2o or email [info@trace2o.com](mailto:info@trace2o.com)

## TECHNICAL SPECIFICATIONS

Dimensions (mm)	<ul style="list-style-type: none"> <li>470 x 365 x 190 (Engineer's Kit)</li> <li>250 x 120 x 80 (Canvas Bag)</li> </ul>
Weight (Kg)	<ul style="list-style-type: none"> <li>7.5 (Engineers Kit)</li> <li>2 (Canvas Bag)</li> </ul>
Approvals	<ul style="list-style-type: none"> <li>CE Conformity, IP68</li> </ul>
Country of origin	<ul style="list-style-type: none"> <li>United Kingdom</li> </ul>
Data	<ul style="list-style-type: none"> <li>500 Data set storage</li> <li>Data upload via USB</li> <li>Real-time date/time stamp</li> </ul>
Optical	<ul style="list-style-type: none"> <li>Tri-sensor sonde housing</li> <li>Up to 15m cable (Must be requested at time of purchase)</li> <li>Industrial grade sensors</li> </ul>
User Interface	<ul style="list-style-type: none"> <li>Backlit LCD graphical display</li> <li>Touch sensitive keypad</li> <li>Audible alerts</li> </ul>
Portability	<ul style="list-style-type: none"> <li>IP68 rated waterproof case</li> <li>Buoyant</li> <li>Hard Shell carry case (Engineer's kit)</li> <li>Zipped canvas bag with handle (Meter only option)</li> </ul>
Protection	<ul style="list-style-type: none"> <li>Pressure resistant reinforced screen</li> <li>Hard shell case (Engineer's kit only)</li> <li>Chemically resistant housing</li> <li>Case floats in water</li> <li>IP68 water and dust proofing</li> </ul>
Recommended storage temperature	<ul style="list-style-type: none"> <li>0°C to 70°C</li> </ul>
Optimum operating temperature	<ul style="list-style-type: none"> <li>0°C to 40°C</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>1 x 9V/PP3 Battery</li> </ul>
Manufacturer's warranty	<ul style="list-style-type: none"> <li>Standard 1 Year from purchase</li> </ul>

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