

Environmental monitoring kit

The professionals' choice for accurate and affordable field probe measurements

The Waterra Environmental Monitoring Kit includes 3 separate waterproof field meters, calibration solutions and customised attaché case for ease of use in the field.



The Waterra environmental monitoring kit, shown with optional Sheffield LFC flow-through cell.

Applications

- Water quality measurement of groundwater and surface waters in the field.

Features

- Portable, compact and waterproof (IP67) meters
- Replaceable electrodes
- Simple field calibration with one-use sachets
- Low lifetime maintenance costs
- Removes over-reliance on single multi-parameter meters

Kit content

- pH/ORP/Temperature meter
- Electrical conductivity meter
- Dissolved oxygen meter
- Set of calibration sachets
- Optional Sheffield LFC flow-through Cell

Measurements include:

- pH
- ORP
- Temperature
- Electrical Conductivity (EC)
- Dissolved Oxygen (DO)

SAVE AT LEAST
12%
on costs of individual components

Environmental monitoring kit

The Waterra Environmental Monitoring Kit is the professionals' choice for accurate and affordable field probe measurements. By adding the unique Sheffield LFC flow-through cell you can improve the accuracy of field or laboratory measurements further by eliminating air contact with the sample thereby satisfying European and UK monitoring guidance for field measurements.



pH / ORP / Temperature meter (HI-991003) with automatic electrode status check

- Fully waterproof & compact meter (IP67), rubber keyboard
- Combined pH/ORP/temperature electrode
- Automatic temperature compensation, buffer recognition and pH calibration
- Unique electrode status check system confirms accuracy of result
- Weight: 245g
- Dimensions: 150 x 60 x 35mm

Measurement	Range	Units	Accuracy
pH	-2.00 to 16.00	pH	± 0.02
ORP	± 1999	mV	± 2
Temp	-5 to 105	°C	± 0.5



Conductivity/TDS/NaCl/Temperature meter (HI-9835) with 6 autoranging scales

- Fully waterproof portable meter (IP67), rubber keyboard
- Temperature and Conductivity Display
- Alternative display of TDS and Salinity in place of Conductivity
- 6 auto-ranging scales with temperature compensation
- Automatic 1-point calibration
- Weight: 425g
- Dimensions: 185 x 70 x 35mm

Measurement	Range	Units	Accuracy
EC	0 to 500,000	µS/cm	1% of reading
TDS	0 to 400,000	mg/l	1% of reading
NaCl	0 to 400	%	1% of reading
Temp	0 to 60	°C	± 0.4



Dissolved Oxygen / Temperature meter (HI-9146) with one button calibration

- Fully waterproof portable meter (IP67), rubber keyboard
- Dissolved Oxygen display as mg/l or % saturation
- One button calibration in air (100% DO)
- Automatic temperature compensation
- Weight: 425g
- Dimensions: 196 x 80 x 60mm

Measurement	Range	Units	Accuracy
DO	0.00 to 45.00	mg/l	±1.5% of full scale
DO	0 to 300	%	±1.5% of full scale
Temp	0 to 50	°C	± 0.5



Calibration Solutions

- 5 x 5 calibration sachets (20ml) including:
- pH: 4.01, 7.02, 10.01
- EC: 1413, 12880 µS/cm



Attaché Case

- Polypropylene field case with customised insert

Sheffield LFC flow-through cell (optional)

For high quality field and laboratory measurements requiring no air contact with the sample

- Modular construction – one cell per probe
- Low cell volumes
- Push fit bungs in 5 sizes (3 to 19.5mm)
- Customised base – holds up to 6 cells



Ordering information

All meters come with a 2 year manufacturer's warranty (6 months for probes).

Environmental Monitoring Kit Options

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|------------------|--|
| HI-EMK | Environmental Monitoring Kit (includes, pH/ORP, DO, EC meters, attaché case & solutions) |
| HI-EMKLF6 | As above with Sheffield LFC flow-through cell kit (6 cells, 8 bungs) |

Probe Maintenance and Solutions

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|---------------------|---|
| HI-70300 | pH/ORP Electrode storage solution (460 ml bottle) |
| HI-76407 A/P | DO probe membranes (pack 5) |
| HI-7041S | DO probe electrolyte solution (30ml) bottle |

Calibration and Standard Solutions

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|----------------------|--|
| HI-EMKSACHETS | Mixed pack of calibration sachets (5 sachets each) pH (4.01, 7.01, 10.01) and EC (1413, 12880 µS/cm) |
| HI-7020 | ORP 200/250mV Test solution (460 ml bottle) |

See website for a full range of solutions in sachets and bottles.

