

Digital electrochemistry, HQD meters

The ultimate meter/probe system offering flexibility and ease of use with interchangeable probes. Ideal for multiple users and testing methods. Perfect for laboratory and outdoor use.

The mix and match of electrodes and meters ensures reliability and flexibility. Calibration data is securely stored in the electrode, ensuring correct values at all times. The LDO method of oxygen measurement gives enormous handling benefits. The HQD technology and INTELLICAL® electrodes are backed up by substantial experience.

- Digital INTELLICAL® electrodes are recognised automatically

Stable, ready-to-use INTELLICAL® oxygen sensor with luminescence (LDO) technology

- Reliable O₂ results - without calibrating or replacing the electrolyte

Rugged outdoor electrodes with cables up to 30m long, without interferences thanks to digital technology

- Reliable results from inaccessible measurement locations and over long distances, even for pH
- Reliable, error-free measurement in all conditions



WT/55140

Technical Specifications

Model	HQ 11D	HQ 14D	HQ 30D FLEXI	HQ 40D MULTI
Electrode connectors	1 (pH)	1 (Conductivity)	1 (pH, Cond., DO, ISE)	2 (pH, Cond., DO, ISE)
Dissolved oxygen (LDO)			✓	✓
Range			0.00 - 20.0 mg/l; 0 - 200 %, ±0.1% of the measuring range	
pH/ORP	✓		✓	✓
Range	0-14/±0.002/±1500 mV			0-14/±0.002/±1500 mV
Ion concentration (ISE)			✓	✓
Temperature	✓	✓	✓	✓
Range/Accuracy	-10 to +110°C/±0.3°C			-10 to +110°C/±0.3°C
Conductivity		✓	✓	✓
Range/Accuracy	0.01 µS/cm - 200 mS/cm/±0.5%			0.01 µS/cm - 400 mS/cm/±0.5%
Resistivity		✓	✓	✓
Range/Accuracy		2.5 cm - 49 M cm/±0.5%		2.5 cm - 49 M cm/±0.5%
TDS		✓	✓	✓
Range/Accuracy		0.0 - 50,000 mg/l/±0.5%		0.0 - 50,000 mg/l/±0.5%
Salinity				
Range/Accuracy		0 - 42 (g/kg, o/oo, no unit) ±0.1 mg/l at < 8 mg/l		0 - 42 (g/kg, o/oo, no unit) ±0.1 mg/l at < 8 mg/l
Automatic buffer recognition				
Conductivity: Demal (1 D; 0.1 D; 0.01 D)		NaCl (0.05%; 25µ S/cm; 1000µ S/cm; 18 mS/cm)		
O ₂			1 point	
ISE max.				5 points
Data memory		500 readings; data can be saved manually or automatically		
Battery operation		4 AA batteries or rechargeable batteries (battery charger is needed)		

Cat. No. Description

WT/55140	HQ11D portable pH meter
WT/55142	HQ14D portable conductivity meter
WT/55144	HQ30D Multi parameter portable meter with 1 channel for pH, cond. or DO
WT/55146	HQ40D Multi portable meter, 2 channels pH or cond. or DO

Accessory probes

WT/55150	IntelliCAL™ Standard Luminescent Dissolved Oxygen (LDO) Probe, 1 meter cable
WT/55152	IntelliCAL™ Rugged Luminescent Dissolved Oxygen (LDO) Probe, 5 meter cable
WT/55154	IntelliCAL™ Standard Gel Filled pH Electrode, 1 meter cable
WT/55156	IntelliCAL™ Rugged Gel Filled pH Electrode, 5 meter cable
WT/55158	IntelliCAL™ Standard Conductivity Probe, 1 meter cable
WT/55160	IntelliCAL™ Rugged Conductivity Probe, 5 meter cable

Further probes available, please ask for details.



WT/55146