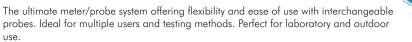
## Digital electrochemistry, HQD meters



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

## T -



Technical Specifications					
Model	HQ 11D	HQ 14D	HG	2 30D FLEXI	HQ 40D MULTI
Electrode					
connectors	1 (pH)	1	1 (p	pH, Cond.,	2 (pH, Cond.,
		(Conductivity)	DC	D, ISE)	DÖ, ISE)
Dissolved oxygen (LDO)			$\checkmark$		$\checkmark$
Range		0.00.2	20.0	mg/l; 0 . 200 %, ±0.1%	b of the measuring range
pH/ORP	$\checkmark$		$\checkmark$		$\checkmark$
Range	0-14/±0.002/±1500 mV	l/±1500 mV 0-14/±0.002/±1500 mV			
Ion concentration (ISE)			$\checkmark$		$\checkmark$
Temperature	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$
Range/Accuracy	-10 to +110°C/±0.3	-10 to +110°C/±0.3°C -10 to +110°C/±0.3°C		0.3°C	
Conductivity		$\checkmark$	$\checkmark$		$\checkmark$
Range/Accuracy	0.01 µS/cm - 200 mS/cm/	′±0.5%		0.01 µS/cm - 400 mS/	cm/±0.5%
Resistivity		$\checkmark$	$\checkmark$		$\checkmark$
Range/Accuracy		$2.5~\text{cm}$ - $49~\text{M}~\text{cm}/{\pm}0.5\%$		2.5 cm - 49 M cm/	±0.5%
TDS		$\checkmark$	$\checkmark$		$\checkmark$
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 - 42 (g/kg, o/oo,	no unit)
		$\pm 0.1$ mg/l at $< 8$ mg/l		$\pm 0.1$ 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 <sub>2</sub>		lρ	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

water testing