

MULTIW Portable Multi-parameter Water Analyzer



Download Catalogue



- Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results
- Auto-hold feature senses and locks the measurement endpoint
- Memory for 10,000 automatic and 500 manual records (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof. The portable meter is suitable for fields measurements and out door measurements. Measure three parameters simultaneously.



Color High contrast LCD touchscreen, 4.3 inches



Automatic/Manual temperature compensation ensures accurate results



Data Storage memory for 10,000 automatic and 500 manual records (GLP-compliant).



Caring case for instruments and reagents



IDS - Intelligent Digital Sensor

pH

- 1-8 points calibration with Standard Recognition
- Selectable pH buffer groups, including USA, NIST, DIN, GB, MERK, JIS
- User-defined pH buffer or buffer group is supported
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-6 points calibration
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , pX , ppm , etc
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc., user-defined method is supported.

Conductivity

- 1-5 points calibration automatically recognizes the standard solutions
- Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).

DO

- Support for air-saturated water or zero oxygen calibration.
- Auto barometric pressure compensation
- Manual Salinity Factor Correction
- Selectable pressure unit, including kPa , mbar , Torr , Atm .

Standard accessories: Instrument, Charger I, 4 NiMH rechargeable batteries



Model	MULTIW310T	MULTIW510T
Parameters	pH/EC/ISE/DO/Temp.(mV/pX/Resistivity/ TDS/Sal./ DO Saturation)	pH/EC/ISE/DO/Temp.(mV/ORP/pX/Resistivity/ TDS/Sal./ DO Saturation)
Specification	<p>pH Range -2.00 ~ 20.00 pH, Accuracy ±0.01 pH pX Range -2.00 ~ 20.00 pX, Accuracy±0.01 pX ISE Range 1E-9~9.999E9, Accuracy ±0.03% mV Range -2000.0 ~ 2000.0 mV, Accuracy ±0.3 mV or ±0.1% EC Range 0.000 μS/cm ~ 1000 mS/cm, Accuracy ±1.0% FS Resistivity Range 5.00 Ω·cm ~ 20.00 MΩ·cm, Accuracy ±1.0% FS TDS Range 0.00mg/L ~ 300g/L, Accuracy ±1.0% FS Salinity Range (0.00 ~ 8.00)% , Accuracy ±0.2% DO Range 0.00 ~ 50.00 mg/L, Accuracy ±0.3mg/L DO Saturation Range (0.0 ~ 300.0)%, Accuracy±2.0% Temp. Range -5~110 °C, 23~ 230 °F, Accuracy ±0.2</p>	<p>pH Range -2.000 ~ 20.000 pH, Accuracy ±0.002 pH pX Range -2.000 ~ 20.000 pX , Accuracy±0.002 pX ISE Range 1E-9~9.999E9, Accuracy ±0.03% mV Range -2000.00 ~ 2000.00 mV, Accuracy ±0.1 mV or ±0.03% EC Range 0.000 μS/cm ~ 3000 mS/cm, Accuracy ±0.5% FS Resistivity Range 5.00 Ω·cm ~ 100.00 MΩ·cm, Accuracy ±0.5% FS TDS Range 0.000 ~ 1000 g/L, Accuracy ±0.5%FS Salinity Range (0.00 ~ 8.00)%, Accuracy ±0.1% Polarographic DO Range 0.00 ~ 99.99 mg/L, Accuracy ±0.3mg/L (0.00 ~ 20.00 mg/L); ±10% (20.00 ~ 99.99 mg/L) DO Saturation Range (0.0 ~ 600.0)%, Accuracy±2.0% Temp. Range -10 ~ 135 °C, 14 ~ 275 °F, Accuracy ±0.1</p>
PH	<p>1~5) NIST, GB, DIN Standard Recognition Standard Customization, Slope Limit</p>	<p>pH Calibration Points (1~8 - Calibration Reminder USA, NIST, MERK, JIS, GB , DIN Standard Recognition Standard Customization Slope Limit EH ORP Mode, 1 Custom Point</p>
ISE	<p>Calibration Points (1~5) Default Ions and Custom Ions Direct Reading Mode, Standard Addition Mode, Sample Addition Mode and GRAN Mode</p>	<p>ISE Calibration Points (1~8) Default Ions and Custom Ions Direct Reading Mode, Standard Addition Mode, Sample Addition Mode and GRAN Mode</p>
EC	<p>Reference Temp. 20, 25 °C Calibration Points (1~3) 84μS/cm, 1413μS/cm, 12.88mS/cm Standard Recognition</p>	<p>EC Reference Temp. 5, 10, 15, 18, 20, 25 °C Calibration Points (1~5) Calibration Reminder 10 μS/cm, 84 μS/cm, 500 μS/cm, 1413 μS/cm, 12.88 mS/cm Standard Recognition</p>
DO	<p>Calibration Points, Air-saturated Water or Zero Point Auto Barometric Compensation Manual Salinity Factor Correction</p>	<p>DO Calibration Points, Air-saturated Water or Zero Point Calibration Reminder, Auto Barometric Compensation Manual Salinity Factor Correction</p>
Standard configuration	Electrode holder,	Standard configuration
Optional configuration	Sentix 940, Tetracon 925, FD0 925	