

Portable Multiparameter Water Quality Meter



Features:

PH:

- * Multiparameter water quality meter is equipped with a 3.5 inches backlit LCD display.
- * 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers.
- * Automatic electrode diagnosis shows the pH slope and offset.

ORP:

- * 1 point offset calibration allows adjusting the displayed value to a known standard.
- * Relative and absolute millivolt modes ensure the reliable ORP measurements.

Ion Concentration:

- * 2 to 5 points calibration, including the 8 concentration points can be selected.
- * Direct ion concentration readout simplifies the measurement process.
- * Automatic electrode diagnosis shows the calibration points and slopes.
- * Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency.

Conductivity/TDS/Salinity/Resistivity:

- * 1 to 5 points calibration with automatic recognition for conductivity standards.
- * Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes.
- * Automatic electrode diagnosis shows the calibration points and factors.

Dissolved Oxygen:

- * 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- * Salinity and barometric pressure compensations eliminate the measurement error.

Other Features:

- * Automatic temperature compensation ensures accurate readings over the entire range.
- * Auto-Read function senses and locks the measurement endpoint.
- * Calibration due alarm prompts user to calibrate the meter regularly.
- * Auto-Power Off effectively conserves battery life.
- * Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time, etc..
- * Reset function automatically resumes all settings back to the factory defaults.
- * Expanded memory stores or recalls up to 500 data sets.
- * USB communication interface is easy to transfer data to PC.
- * Multi-mode power scheme (batteries, power adapter and USB port) ensures that using the meter smoothly.



Accessories:

pH/conductivity/dissolved oxygen electrode, temperature probe, pH standard buffer, conductivity standard solutions, dissolved oxygen electrolyte, membrane cap, carrying case.

Technical Parameters:

Model	PH-900P	
pH	Range	-2.000~20.000pH
	Resolution	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.002pH
	Calibration Points	1 to 5 points
	pH Buffer Options	USA, NIST, DIN, 2 custom buffers
ORP(optional)	Range	±1999.9mV
	Resolution	0.1, 1mV, selectable
	Accuracy	±0.2mV
Ion(optional)	Calibration Points	1 point
	Range	0.001~19999 (depending on the range of ISE)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)
	Measurement Units	ppm, mg/L, mol/L, mmol/L
Conductivity	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
	Range	0.1~2μS/cm(CON-0.1,optional); 2~20mS/cm(CON-1,standard); 20~200mS/cm(CON-10,optional)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S.
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	20/25°C
Cell Constant	K=0.1, 1, 10 or custom	
TDS	Range	0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt
	Resolution	0.01, 0.1, 1
	Accuracy	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)
Salinity	Range	0.00~42.00psu, 0.00~80.00ppt
	Resolution	0.01
	Accuracy	±1% F.S.
Resistivity	Range	0.00~20.00MΩ
	Resolution	0.01
	Accuracy	±1% F.S.
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution	0.01mg/L, 0.1%
	Accuracy	±0.2mg/L, ±2.0%
	Calibration Points	1 or 2 points
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual
	Salinity Correction	0.0~50.0g/L, manual
Other Specifications	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power Requirements	3*1.5V AA batteries or DC5V power adapter
	Dimension	170*85*30mm
	Net Weight	300g
	Packing Size	450*320*100mm
Gross Weight	2kg	