

Benchtop Multiparameter Water Quality Meter



Features:

pH:

- * Multiparameter water quality meter is equipped with a 6.5 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.
- * 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 for data transfer and timed interval readings.

Accessories:

pH/conductivity/dissolved oxygen electrodes, temperature probe, pH buffer sachets, conductivity standard solutions, DO electrolyte solution, membrane cap, electrode holder, USB cable and power adapter

Technical Parameters:

Model	PH-900	
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
	Calibration Points	1 point
Ion(optional)	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 Points	1 to 5 points
	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
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	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
Specifications	Power Requirements	DC5V power adapter
	Dimension	210*188*60mm
	Net Weight	1.5kg
	Packing Size	300*250*200mm
	Gross Weight	1.7kg