

# pH900 Benchtop Multi-Parameter Water Quality Meter

Features:

## **pH Mode :**

Up to 5 points push-button calibration with auto-buffer recognition. selectable pH buffer standards, resolution and temperature units. Automatically calculates and displays electrode slope that helps you decide whether to replace pH electrode.

## **ORP Mode :**

Single point offset calibration allows user adjusts displayed value to a known standard. Absolute or Relative mV measurements provides accurate readings.

## **Ion Mode :**

Standard BNC connector can connects many Ion selective Electrode. 2 to 5 points push-button calibration from low to high concentrations. selectable multiple concentration units, including ppm, mg/L, mol/L. Direct readout ion concentration simplifies measurement process. mV measurement allows user to check performance of ion electrode.

## **Conductivity/TDS/Salinity Mode :**

Up to 5-point push-button calibration allows user to uses customized calibration solutions. Adjustable TDS factors, cell constants, temperature coefficients and normalization temperature. selectable linear or pure water compensation modes. In salinity measurement modes, selectable practical salinity (PSU) or seawater measurement standard (ppt).

## **Dissolved Oxygen Mode :**

1 or 2 points auto-calibration (100% in saturated air or air-saturated water, 0% in zero oxygen solution). Manual salinity and barometric pressure compensation. selectable readout in ppm, mg/L or percentage saturation.

PH900 multi-parameter meter is capable of measuring up to 9 water quality parameters, including pH, ORP, Ion, Conductivity TDS, Salinity, Resistivity, Dissolved Oxygen, etc.

## **General Features :**

Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire range. Calibration due reminder helps you to calibrate meter regularly. Automatic endpoint function freezes stable measured values. Help message as a operational guide to helps you understand how to use meter. Setup menu lets user customize the calibration points, stability conditions, date and time to meet measurement requirements. Expanded memory stores and recalls up to 500 readings. Built-in real-time clock stamps stored data to meets GLP. Stored data can be transferred into PC via USB communication interface.



Model	PH9000
pH Range	-2.000~20.000pH
pH Accuracy	±0.002pH
Resolution	0.001, 0.01, 0.1pH, selectable
Calibration Points	Up to 5 points
Calibration Solutions	USA(pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75)
Ion Concentration Range	0.001~19999ppm, mg/L, mol/L (Depending on measuring range of Ion selective Electrode)
Ion Concentration Accuracy	±0.5% Full Scale (Monovalent), ±1% Full Scale (Divalent)
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, selectable
Conductivity Range	0~20mS/cm (Max.200mS/cm)
Conductivity Accuracy	±0.5% Full Scale
Calibration Points	Up to 5 points
Calibration Solutions	10uS/cm, 84uS/cm, 1413uS/cm, 12.88mS/cm, 111.8mS/cm
TDS Range	0~10ppt (Max. 20ppt, Depending on factor setting)
TDS Accuracy	±1% Full Scale
TDS Factor	0.1~1.0 (Default 0.5)
Salinity Range	0~10ppt (Max.80ppt)
Salinity Accuracy	±1% Full Scale
Salinity Measurement Modes	Practical Salinity (PSU) or Seawater Measurement Standard (ppt)
Resistivity Range	0~100MΩ
Resistivity Accuracy	±1% Full Scale
Resolution	0.001, 0.01, 0.1, 1, Automatic
Temperature Coefficient	0.0~10.0% per °C
Compensation Modes	Linear or Pure Water
Cell Constant	K=0.1, 1, 10, selectable
Normalization Temperature	20°C or 25°C
Dissolved Oxygen Range	0.00~20.00mg/L or ppm
Resolution	0.01, 0.1mg/L, selectable
Dissolved Oxygen Accuracy	±0.2mg/L (Calibration and measurement under the conditions of same temperature)
% Saturation of Oxygen	0.0~200.0%
Accuracy	±2.0%
Salinity Correction	0~50g/L
Pressure Correction	60.0~112.5kPa, 450~850mmHg
Temperature Range	0~105°C, 32~221°F
Temperature Accuracy	±0.5°C, ±0.9°F
Temperature Calibration	Manual
Temperature Compensation	0~100°C, 32~212°F, Automatic or Manual; DO Mode: 0~50°C, 32~122°F, Automatic
Auto-Off	Manual or Automatic (10, 20, 30 minutes after last key pressed, selectable)
Hold Function	Manual or Automatic
Stability Conditions	Low or High, selectable
Calibration due reminder	0 to 30 days
Reset Function	Yes
Memory	500 data sets with Date/Time stamping
Output	USB Communication Interface
Connector	BNC and 6-pin connector
Power Requirements	DC5V, using AC adapters, 220VAC/50Hz
LCD Display	Custom dual-display LCD (130×110mm)
Dimensions	210(L)×188(W)×60(H)mm
Weight	1.2kg