

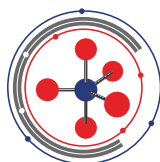
AVANPRO

AP-900

Benchtop pH Meter



The **AP-900** benchtop pH meter is a compact and user-friendly device. Its large vivid display offers a simple configuration menu, allowing users to quickly familiarize themselves with the unit. The **AP-900** is the ideal device for chemical analysis laboratories, educational facilities and research, as well as procedures that require efficient control of pH and ORP values.



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AP-900

Benchtop pH Meter

TECHNICAL DATA

MEASUREMENT PARAMETERS:

- pH
- mV
- Relative mV
- Ion concentration
- Conductivity
- TDS
- Salinity
- Resistivity
- DO
- Temperature

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

General 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 INCLUDED:

- pH electrode
- Temperature probe, (4.01/ 7.00 /10.01)
- Power adapter



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SPECIFICATIONS

PH	Range	-2.000 a 20.000pH
	Resolution	0.001, 0.01, 0.1pHselectable
	Accuracy	±0.002pH
	Calibration points	1 to 5 points
	pH buffer options	USA, NIST, DIN, 2 custom buffers
ORP	Range	±1999.9mV
	Resolution	0.1, 1mV, selectable
	Accuracy	±0.2mV
	Calibration points	1 point
ION	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
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
CONDUCTIVITY	Range	0.01~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
	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	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
GENERAL SPEC.	Temperature Compensation	0~100°C / 32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power requirements	DC5V power adapter
	Dimensions	210 x 188 x 60mm / 8.2" x 7.4" x 2.4" (L x W x H)
	Weight	1.5kg / 3.4lb
	Warranty	1 year

