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ANALYTICAL EXCELLENCE...

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Portable Multi-Parameter Water Quality Meter

FEATURES:

pH:

- Equipped with a 3.5 inch backlit LCD display
- 1 – 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis indicates pH slope and offset

ORP:

- 1 point offset calibration allows adjustment of displayed value to a known standard
- Relative and absolute millivolt modes ensure reliable ORP measurements

Ion Concentration:

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

Conductivity/TDS/Salinity/Resistivity:

- 1 -5 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, reference temperature, TDS factor, linear and pure water compensation, 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 compensation ensures accurate readings

GENERAL FEATURES:

- Automatic Temperature Compensation provides accurate readings
- Auto-read function senses and locks the measurement endpoint
- Calibration reminder
- Auto-power off conserves battery life
- Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time etc
- Reset function available to default instrument to factory settings
- Expanded memory up to 500 readings
- USB communication interface to transfer data

Accessories:

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

MODEL SPECIFICATIONS:

Model		MA-PH900P
pH	Range	-2.000~20.000pH
	Resolution	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.002pH
	Calibration Points	1~5 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 range of ISE)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
	Calibration Points	2 to 5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000)
	Measurement Units	ppm, mg/L, mol/L, mmol/L
Conductivity	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 ~ 5 points
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
	Temp. Coefficient	Linear (0.0 ~ 10.0%/°C), pure water
	Cell Constant	K=0.1, 1, 10 or custom
	Reference Temp.	20/25°C
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

Dissolved Oxygen	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
Others	Temp. Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface
	Power Requirements	3 x 1.5V "AA" batteries or DC5V power adapter
	Dimensions (W*D*H) mm	170*85*30
	Package Size (W*D*H) mm	475*155*350
	Net Weight (g)	300
	Gross Weight (kg)	2