

Benchtop Multiparameter Water Quality Meter



Application

Highly accurate multi-parameter water quality analyzer with 8 measurement functions. They can custom setup a menu with 15 function parameters; the instrument is suitable for laboratory measurement of sample pH, ORP, ion concentration, conductivity, TDS, salinity, resistivity, dissolved oxygen concentration and saturation.

- Highly accurate multi-parameter water quality analyzer with large backlit LCD.
- 1 to 5 point calibration, automatic recognition of USA, NIST, DIN standard buffers.
- Automatic electrode diagnostics, display pH slope and zero offset.

Specifications

Model		AST-B900	AST-B901	AST-B902	AST-B903	AST-B904
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	Range	±1999.9mV	—	—	—	—
	Resolution	0.1, 1mV, selectable	—	—	—	—
	Accuracy	±0.2mV	—	—	—	—
	Calibration Points	1 point	—	1 point	1 point	—
Ion	Range	0.001~19999 (depending on the range of ISE)	—	—	—	—
	Resolution	0.001, 0.01, 0.1, 1	—	—	—	—
Ion	Accuracy	±0.5% F.S. (monovalent), ±1% F.S. (divalent)	—	—	—	—



Model		AST-B900	AST-B901	AST-B902	AST-B903	AST-B904
	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, 2000.0μS/cm, 20.00, 200.0mS/cm	—	—	—	0.01~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm
	Resolution	0.001,0.01,0.1,1	—	—	—	0.001,0.01,0.1,1
	Accuracy	±0.5% F.S.	—	—	—	±0.5% F.S.
	Calibration Points	1 to 5 points	—	—	—	1 to 5 points
	Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm	—	—	—	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
	Temperature Coefficient	Linear (0.0~10.0%/°C), pure water	—	—	—	Linear (0.0~10.0%/°C), pure water
	Reference Temperature	20/25°C	—	—	—	20/25°C
Cell Constant	K=0.1, 1, 10 or custom	—	—	—	K=0.1, 1, 10 or custom	

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TDS	Range	0~10.00, 100.0, 1000.0ppm, 10.00, 200.0ppt	—	—	—	0~10.00, 100.0, 1000.0ppm, 10.00, 200.0ppt
	Resolution	0.01,0.1,1	—	—	—	0.01,0.1,1
	Accuracy	±1% F.S.	—	—	—	±1% F.S.
	TDS Factor	0.1~1.0 (default 0.5)	—	—	—	0.1~1.0 (default 0.5)
Salinity	Range	0.00~42.00psu, 0.00~80.00ppt	—	0.00~80.00psu, 0.00~80.00ppt	—	0.00~42.00psu, 0.00~80.00ppt
	Resolution	0.01	—	0.01	—	0.01
	Accuracy	±1% F.S.	—	±1% F.S.	—	±1% F.S.
Resistivity	Range	0.00~20.00MΩ	—	0.00~20.00MΩ	—	0.00~20.00MΩ
	Resolution	0.01	—	0.01	—	0.01
	Accuracy	±1% F.S.	—	±1% F.S.	—	±1% F.S.
DO	Range	0.00~20.00mg/L, 0.0~200.0% saturation	—	—	0.00~20.00mg/L, 0.0~200.0% saturation	0.00~20.00mg/L, 0.0~200.0% saturation
	Resolution	0.01mg/L, 0.1%	—	—	0.01mg/L, 0.1%	0.01mg/L, 0.1%
	Accuracy	±0.2mg/L, ±2.0%	—	—	±0.2mg/L, ±2.0%	±0.2mg/L, ±2.0%



Model		AST-B900	AST-B901	AST-B902	AST-B903	AST-B904
	Calibration Points	1 or 2 points	—	—	1 or 2 points	1 or 2 points
	Barometric Pressure Correction	60.0~112.5kPa/450~850mm Hg, manual	—	—	60.0~112.5kPa/450~850 mmHg, manual	60.0~112.5kPa/450~850mm Hg, manual
	Salinity Correction	0.0~50.0g/L, manual	—	—	0.0~50.0g/L, manual	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	—	—	—	—
	Sizes (W×D×H) (mm)	210×188×60	—	—	—	—
	Shipping size (W×D×H) (mm)	300×250×200	—	—	—	—

Model		AST-B900	AST-B901	AST-B902	AST-B903	AST-B904
	N.W./G.W. (kg)	1.5/2	—	—	—	—