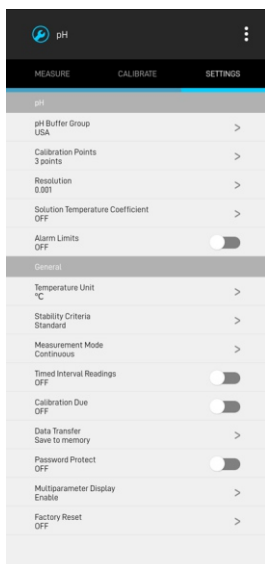


S Series Bluetooth Water Quality Tester



High-performance testers running on the Bantelab app (Android system), available in 6 models.



Features

S10 pH Tester

- 1 to 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and zero offset
- Solution temperature coefficient compensates for pure water measurements and references the pH to 25°C

S20 ORP Tester

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

S30 Ion Tester

- 2 to 5 points calibration, including the selection of 8 concentration points
- Electrode management can store and recall up to 3 electrode parameters
- Automatic electrode diagnosis shows the calibration points and electrode slopes
- Selectable ion measurement methods (direct reading, known addition/subtraction, sample addition/subtraction) and concentration units (ppm, mg/L, mol/L, mmol/L)

S40 Water Hardness Tester

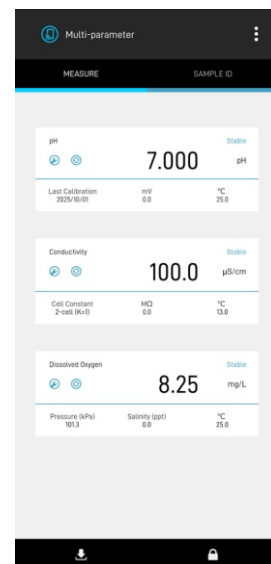
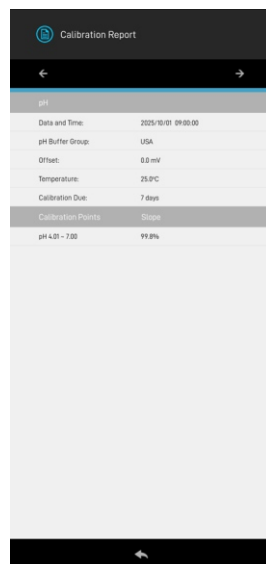
- 2 to 5 points calibration from low to high concentrations
- Selectable water hardness unit, including german degree (°dH), english degree (°e), french degree (°fH), gpg, mg/L and mmol/L

S50 Conductivity Tester

- 1 to 3 points calibration with automatic recognition for conductivity standards
- Automatic electrode diagnosis shows the calibration points and factors
- Selectable cell constant(0.1/1/10), temperature compensation type(linear/non-linear/pure water), temperature compensation coefficient, reference temperature (20/25°C), EP/USP limit and TDS conversion factor

S60 Dissolved Oxygen Tester

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- Salinity and barometric pressure compensations eliminate the measurement errors
- Selectable testing time and beginning/ending dissolved oxygen are used for calculating oxygen uptake rate (OUR) and specific oxygen uptake rate (SOUR)
- General Features
 - Automatic temperature compensation ensures accurate readings over the entire range
 - Auto-read function senses and locks the measurement endpoint
 - Timed interval readings send measurement data to memory or a printer
 - Limit alarm automatically alerts when measurements exceed the specified range
 - Calibration due alarm reminds users to calibrate the tester regularly
 - Password protection prevents unauthorized calibration and settings
 - Multi-parameter measurement allows up to three testers to connect to the device and display readings simultaneously
 - Reset function automatically restores all settings to the factory defaults

**Ordering Information**

- S10: Tester, pH buffer solutions, USB cable, power adapter, carrying case
- S20: Tester, solution storage bottles, USB cable, power adapter
- S30: Tester, ion selective electrode, 100 and 1000 ppm standard solutions, ionic strength adjuster, USB cable, power adapter, carrying case (cyanide and sulfide ion testers are supplied without solutions)
- S40: Tester, water hardness electrode, 10 and 100 mmol/L standard solutions, ionic strength adjuster, USB cable, power adapter, carrying case
- S50: Tester, conductivity standard solutions, USB cable, power adapter, carrying case
- S60: Tester, dissolved oxygen electrode, electrolyte solution, membrane cap, USB cable, power adapter, carrying case



USB port provides a convenient and fast charging solution

Specifications

Model		S10
pH	Range	-2.000...20.000 pH
	Resolution	0.001, 0.01, 0.1, selectable
	Accuracy	±0.002 pH
	Calibration	1...5 points
	pH Buffer Options	USA (1.68/4.01/7.00/10.01/12.45), NIST (1.68/4.01/6.86/9.18/12.45), DIN (1.09/4.65/6.79/9.23/12.75), 5 custom buffers
	Temperature Compensation	0...100°C/32...212°F, automatic
	Solution Temperature Coefficient	25°C
mV	Range	-2000.0...2000.0 mV
	Resolution	0.1, 1, selectable
	Accuracy	±0.2 mV

Model		S20
ORP	Range	-2000.0...2000.0 mV
	Resolution	0.1, 1, selectable
	Accuracy	±0.2 mV
	Calibration	1 point

Model		S30
Ion	Range	0.001...30000 (depending on the electrode range)
	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	2...5 points
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000
	Temperature Compensation	0...100°C/32...212°F, manual
	Measurement Modes	Direct reading, known addition/subtraction, sample addition/subtraction
	Electrode Management	1...3
mV	Range	-2000.0...2000.0 mV
	Resolution	0.1, 1, selectable
	Accuracy	±0.2 mV

Model		S40
Water Hardness	Range	0.05...200 mmol/L, 0...1122°dH, 0...1404°e, 0...2000°fH, 0...1170 gpg, 0...8020 mg/L (Ca ²⁺), 0...20000 mg/L (CaCO ₃), 0...11220 mg/L (CaO)
	Resolution	0.001, 0.01, 0.1, 1
	Accuracy	±1% F.S.
	Measurement Units	mmol/L, °dH, °e, °fH, gpg, mg/L (Ca ²⁺), mg/L (CaCO ₃), mg/L (CaO)
	Calibration	2...5 points
	Calibration Solutions	0.01, 0.1, 1, 10, 100 mmol/L
	Temperature Compensation	0...50°C/32...122°F, manual
mV	Range	-2000.0...2000.0 mV
	Resolution	0.1, 1, selectable
	Accuracy	±0.2 mV

Model		S50-M	S50-H
Conductivity	Range	0...20.00, 200.0, 2000 µS/cm, 20.00 mS/cm	100.0...2000 µS/cm, 20.00, 200.0 mS/cm
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	±0.5% F.S.	±0.5% F.S.
	Calibration	1...3 points	1...3 points
	Calibration Solutions	84 µS/cm, 1413 µS/cm, 12.88 mS/cm	1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm
	Temperature Compensation	0...100°C/32...212°F, automatic	0...100°C/32...212°F, automatic
	Temperature Coefficient	Linear (0.0...10.0%/°C), non-linear, USP, EP	Linear (0.0...10.0%/°C), non-linear, USP, EP
	Pure Water Compensation	Yes	Yes
	Reference Temperature	20/25°C	20/25°C
	Cell Constant	K=1	K=10
TDS	Range	0...10.00, 100.0, 1000 mg/L, 20.00 g/L	0...100.0, 1000 mg/L, 10.00, 200.0 g/L
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	±1% F.S.	±1% F.S.
	TDS Factor	0.01...1.00 (default 0.5)	0.01...1.00 (default 0.5)
Salinity	Range	0.00...10.00 psu, 0.00...10.00 ppt, 0.00...1.00%	0.00...42.00 psu, 0.00...80.00 ppt, 0.00...8.00%
	Resolution	0.01	0.01
	Accuracy	±1% F.S.	±1% F.S.
Resistivity	Range	0.00...10.00 MΩ	0.00...1.00 MΩ
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	±1% F.S.	±1% F.S.
Conductivity Ash	Range	0...100%	0...100%
	Resolution	0.01, 0.1, 1	0.01, 0.1, 1
	Accuracy	±1% F.S.	±1% F.S.
	Measurement Methods	ICUMSA GS2/3-17, GS1/3/4/7/8-13	ICUMSA GS2/3-17, GS1/3/4/7/8-13

Model		S60
Dissolved Oxygen	Range	0.00...20.00 mg/L, 0.0...200.0% saturation
	Resolution	0.01, 0.1
	Accuracy	±0.2 mg/L, ±2.0%
	Calibration	1...2 points
	Temperature Compensation	0...50°C/32...122°F, automatic
	Barometric Pressure Correction	60.0...113.3 kPa/450...850 mmHg, manual
	Salinity Correction	0.0...50.0 g/L, manual
	Additional Applications	BOD (biochemical oxygen demand), OUR (oxygen uptake rate), SOUR (specific oxygen uptake rate)

General Specifications		
	Stability Criteria	Fast/Standard/Strict
	Measurement Modes	Continuous or auto-read measurement endpoint
	Timed Interval Readings	10/30/60/300 seconds or off
	Calibration Due Alarm	1 to 99 days or off
	Data Transfer	Send to memory or printer
	Power Supply	Built-in 3V rechargeable batteries