

PHscan10/20/30/40 Pocket pH Tester



Meter Includes:

pH buffer pouches (pH4.01/7.00/10.01), batteries, plastic box or carrying case.

Specifications:

Model	PHscan10S/F/L	PHscan20S/F/L	PHscan30S/F/L	PHscan40BNC
pH Range	0.0~14.0pH	-1.00~15.00pH	-1.00~15.00pH	-1.00~15.00pH
pH Accuracy	±0.1pH	±0.01pH	±0.01pH	±0.01pH
Temperature Range	—	—	0~60°C, 32~140°F	—
Temperature Accuracy	—	—	±1°C	—
Calibration Points	2 points	1~3 points	1~3 points	1~3 points
Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)
Temperature Compensation	—	0~60°C, Automatic	0~60°C, Automatic	0~100°C, Manual
Hold Function	Manual	Manual or Automatic	Manual or Automatic	Manual or Automatic
Connector	6-pin	6-pin	6-pin	BNC
Power Requirements	3×1.5V "G13A" batteries	2×1.5V "AAA" batteries	2×1.5V "AAA" batteries	2×1.5V "AAA" batteries
Dimensions	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm	175(L)×40(Dia.)mm
Weight	100g	100g	100g	100g

PHscan10 Features:

- 2 points push-button calibration with auto-buffer recognition.
- Hold function freezes current measured value for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- Replaceable electrode module reduces maintenance and replacement cost.



PHscan20/30/40 Features:

- 1 to 3 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer options (NIST or USA standard).
- Automatic Temperature Compensation ensures accurate measuring result.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- System menu allows setting the 5 parameters, including the pH buffer standard, number of calibration points, temperature unit, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.



Applications:

- PHscan10S, 20S, 30S: suitable for measuring the liquids.
- PHscan10F, 20F, 30F: suitable for measuring the semisolid substances.
- PHscan10L, 20L, 30L: suitable for measuring the small volume samples.
- PHscan40BNC is suitable for connecting with the various pH electrodes.

ORPscan10/20 Pocket ORP Tester



Optional Sensors:

ORPscan20 tester is equipped with a BNC connector that used to connect various sensors. Selectable ORP electrodes include follow options:

- 501: suitable for measuring the samples with strong redox potential.
- 502: suitable for measuring the samples with weak redox potential.
- 504: suitable for measuring the high temperature samples (less than 100°C).

Specifications:

Model	ORPscan10	ORPscan20
ORP Range	-999~999mV	-999~999mV
ORP Accuracy	±2mV	±2mV
Resolution	1mV	1mV
Measurement Modes	mV or Relative mV	mV or Relative mV
Calibration Points	1 point (Only for Relative mV mode)	1 point (Only for Relative mV mode)
Hold Function	Manual or Automatic	Manual or Automatic
Power Off	Manual or Automatic (8 minutes after last key pressed)	Manual or Automatic (8 minutes after last key pressed)
Reset Function	Yes	Yes
Connector	6-pin	BNC
Power Requirements	2×1.5V "AAA" batteries	2×1.5V "AAA" batteries
Dimensions	185(L)×40(Dia.)mm	175(L)×40(Dia.)mm
Weight	100g	100g

Features:

- 1 point offset calibration allows adjusting the displayed value to known standard.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- Replaceable electrode module reduces maintenance and replacement cost.
- Reset feature automatically resumes all settings back to factory default options.
- Waterproof feature to ensure complete protection in harsh environments.



Applications:

- Chromate reduction
- Cyanide oxidation
- Swimming pool water
- Pulp bleaching
- Cooling towers
- Aquaculture
- Drinking water



Meter Includes:

- ORPscan10: plastic box, batteries.
- ORPscan20: ORP electrode, plastic storage bottles, batteries and carrying case.

ECscan10 Pocket Conductivity Tester



Features:

- Single range conductivity tester is equipped with a platinum sensor.
- 1 point push-button calibration allows using the custom calibration solutions.
- Automatic Temperature Compensation provides accurate reading over the entire range.
- Hold function freezes current measured value for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- Replaceable electrode module reduces maintenance and replacement cost.
- Waterproof feature to ensure complete protection in harsh environments.



Applications:

- ECscan10L : suitable for measuring the low conductivity liquids.
- ECscan10M: suitable for measuring the general liquids.
- ECscan10H : suitable for measuring the high conductivity liquids.

Meter Includes:

Conductivity standard solution (146.5 μ S/cm, 1413 μ S/cm, 12.88mS/cm), batteries, plastic box or carrying case.

Specifications:

Model	ECscan10L	ECscan10M	ECscan10H
Conductivity Range	1.0~199.9 μ S/cm	10~1999 μ S/cm	0.1~19.99mS/cm
Conductivity Accuracy	$\pm 1\%$ F.S	$\pm 1\%$ F.S	$\pm 1\%$ F.S
Resolution	0.1 μ S/cm	1 μ S/cm	0.01mS/cm
Calibration Points	1 point	1 point	1 point
Calibration Solutions	146.5 μ S/cm	1413 μ S/cm	12.88mS/cm
Temperature Compensation	0~50°C, Automatic	0~50°C, Automatic	0~50°C, Automatic
Temperature Coefficient	2%/°C	2%/°C	2%/°C
Cell Constant	K=1	K=1	K=1
Normalization Temperature	25°C	25°C	25°C
Hold Function	Manual	Manual	Manual
Power Off	Manual or Automatic	Manual or Automatic	Manual or Automatic
Sensor Type	Platinum	Platinum	Platinum
Connector	6-pin	6-pin	6-pin
Power Requirements	3×1.5V "G13A" batteries	3×1.5V "G13A" batteries	3×1.5V "G13A" batteries
Dimensions	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm
Weight	100g	100g	100g

ECscan20/30/40 Pocket Conductivity Tester



Features:

- Multi-range conductivity tester contains TDS and salinity measurement modes.
- Standard platinum sensor provides the fast and reliable measuring result.
- 1 to 3 points calibration with automatic calibration solution recognition.
- Selectable TDS conversion factor for different measurement requirements.
- Automatic Temperature Compensation ensures accurate measured values over the entire range.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.



- System menu allows setting the 6 parameters, including the temperature unit, number of calibration points, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Waterproof feature to ensure complete protection in harsh environments.

Applications:

- ECscan20: suitable for measuring the conductivity.
- ECscan30: suitable for measuring the conductivity and TDS.
- ECscan40: suitable for measuring the conductivity, TDS and salinity.

Meter Includes:

Conductivity standard solutions (84 μ S/cm, 1413 μ S/cm, 12.88mS/cm), batteries and carrying case.

Specifications:

Model		ECscan20	ECscan30	ECscan40
Conductivity Range	0~20.00, 200.0, 2000 μ S/cm, 20.00mS/cm	•	•	•
Conductivity Accuracy	\pm 1% F.S	•	•	•
TDS Range	0~10ppt (Max. 20ppt)		•	•
TDS Accuracy	\pm 1% F.S		•	•
Salinity Range	0~10ppt			•
Salinity Accuracy	\pm 1% F.S			•
Calibration Points	1~3 points	•	•	•
Calibration Solutions	84 μ S/cm, 1413 μ S/cm, 12.88mS/cm	•	•	•
Temperature Compensation	0~60 $^{\circ}$ C, 32~140 $^{\circ}$ F, Automatic	•	•	•
Temperature Coefficient	2%/ $^{\circ}$ C	•	•	•
Normalization Temperature	25 $^{\circ}$ C	•	•	•
Sensor Type	Platinum	•	•	•
Connector	6-pin	•	•	•
Power Requirements	2 \times 1.5V "AAA" batteries	•	•	•
Dimensions	185(L) \times 40(Dia.)mm	•	•	•
Weight	100g	•	•	•

TDSscan10/20 Pocket TDS Tester



Meter Includes:

TDS standard solutions (71.8ppm, 744.7ppm, 7447ppm), batteries, plastic box or carrying case.

Specifications:

Model	TDSscan10L	TDSscan10M	TDSscan10H	TDSscan20
TDS Range	0.5~100.0ppm	5~1000ppm	0.05~10.00ppt	0~20ppt
TDS Accuracy	±1% F.S	±1% F.S	±1% F.S	±1% F.S
Resolution	0.1ppm	1ppm	0.01ppt	0.01, 0.1, 1
Calibration Points	1 point	1 point	1 point	1~3 points
Calibration Solutions	71.8ppm	744.7ppm	7447ppm	100ppm, 1000ppm, 10ppt
Temperature Compensation	0~50°C, Automatic	0~50°C, Automatic	0~50°C, Automatic	0~60°C, Automatic
Temperature Coefficient	2%/°C	2%/°C	2%/°C	2%/°C
TDS Factor	0.4~1.0 (Default 0.5)	0.4~1.0 (Default 0.5)	0.4~1.0 (Default 0.5)	0.1~1.0 (Default 0.5)
Normalization Temperature	25°C	25°C	25°C	25°C
Hold Function	Manual	Manual	Manual	Manual
Power Off	Manual or Automatic	Manual or Automatic	Manual or Automatic	Manual or Automatic
Sensor Type	Platinum	Platinum	Platinum	Platinum
Connector	6-pin	6-pin	6-pin	6-pin
Power Requirements	3×1.5V "G13A" batteries	3×1.5V "G13A" batteries	3×1.5V "G13A" batteries	2×1.5V "AAA" Batteries
Dimensions	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm	185(L)×40(Dia.)mm
Weight	100g	100g	100g	100g

TDSscan10 Features:

- Single range TDS tester is equipped with a platinum sensor.
- 1 point push-button calibration allows using the custom calibration solutions.
- Selectable TDS conversion factor for different measurement requirements.

TDSscan20 Features:

- Multi-range TDS tester covers the 3 measurement ranges.
- 1 to 3 points calibration with automatic calibration solution recognition.
- Selectable TDS conversion factor for different measurement requirements.



- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- System menu allows setting the 5 parameters, including the temperature unit, number of calibration points, auto-power off, etc.
- Reset feature automatically resumes all settings back to factory default options.
- Waterproof feature to ensure complete protection in harsh environments.

Applications:

- TDSscan10L : suitable for measuring the low concentration liquids.
- TDSscan10M: suitable for measuring the general liquids.
- TDSscan10H : suitable for measuring the high concentration liquids.
- TDSscan20: suitable for measuring the all samples.

SALscan10/20 Pocket Salinity Tester



Meter Includes:

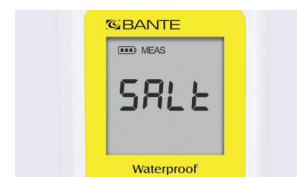
Conductivity standard solutions (1413 μ S/cm, 12.88mS/cm, 84 μ S/cm or 111.8mS/cm), batteries and carrying case.

Specifications:

Model	SALscan10	SALscan20
Salinity Range	0.00~10.00ppt	0.00~80.00ppt
Salinity Accuracy	$\pm 1\%$ F.S	$\pm 1\%$ F.S
Conductivity Range	0~20.00, 200.0, 2000 μ S/cm, 20.00mS/cm	0~200.0 μ S/cm, 20mS/cm, 200.0mS/cm
Conductivity Accuracy	$\pm 1\%$ F.S	$\pm 1\%$ F.S
Temperature Range	0~60°C, 32~140°F	0~60°C, 32~140°F
Temperature Accuracy	$\pm 1^\circ$ C	$\pm 1^\circ$ C
Calibration Points	1~3 points	1~3 points
Calibration Solutions	84 μ S/cm, 1413 μ S/cm, 12.88mS/cm	1413 μ S/cm, 12.88mS/cm, 111.8mS/cm
Temperature Compensation	0~60°C, 32~140°F, Automatic	0~60°C, 32~140°F, Automatic
Temperature Coefficient	2%/°C	2%/°C
Normalization Temperature	25°C	25°C
Cell Constant	K=1	K=10
Sensor Type	Platinum	Platinum
Power Requirements	2 \times 1.5V "AAA" batteries	2 \times 1.5V "AAA" batteries
Dimensions	185(L) \times 40(Dia.)mm	185(L) \times 40(Dia.)mm
Weight	100g	100g

Features:

- Multi-parameter salinity tester contains the conductivity measurement mode.
- Standard platinum sensor provides fast and reliable measuring result.
- 1 to 3 points calibration with automatic calibration solution recognition.
- Automatic Temperature Compensation ensures accurate measured values.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- System menu allows setting the 5 parameters, including the temperature unit, number of calibration points, auto-power off, etc.



- Reset feature automatically resumes all settings back to factory default options.
- Waterproof feature to ensure complete protection in harsh environments.

Applications:

- SALscan10: suitable for measuring the low concentration liquids.
- SALscan20: suitable for measuring the seawater.



DOscan10 Pocket Dissolved Oxygen Tester



Meter Includes:

Dissolved oxygen electrode, electrolyte solution, membrane cap, batteries and carrying case.

Specifications:

Model	DOscan10
Dissolved Oxygen Range	0.0~20.0mg/L (or ppm)
Accuracy	±0.5mg/L
Resolution	0.1mg/L
% Saturation of Oxygen	0.0~200.0%
Accuracy	±2.0%
Resolution	0.1%
Calibration Points	1~2 points
Temperature Compensation	0~40°C, 32~104°F, Automatic
Barometric Pressure Correction	60.0~112.5kPa, 450~850mmHg
Salinity Correction	0~35g/L
Hold Function	Manual or Automatic
Sensor Type	Polarographic DO probe
Connector	6-pin
Power Requirements	2×1.5V "AAA" batteries
Dimensions	175(L)×40(Dia.)mm
Weight	100g

Features:

- Economy dissolved oxygen tester is equipped with a polarographic DO electrode.
- 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
- Manual salinity and barometric pressure compensation improve the accuracy of measurement.
- Auto-Hold function freezes stable reading for easy viewing and recording.
- Auto-Power Off helps user effectively conserve battery life.
- System menu allows setting the 6 parameters, including the temperature unit, number of calibration points, auto-power off, etc.



- Reset feature automatically resumes all settings back to factory default options.
- Waterproof feature to ensure complete protection in harsh environments.

Applications:

- Water and wastewater treatment
- Pond water and aquarium.

