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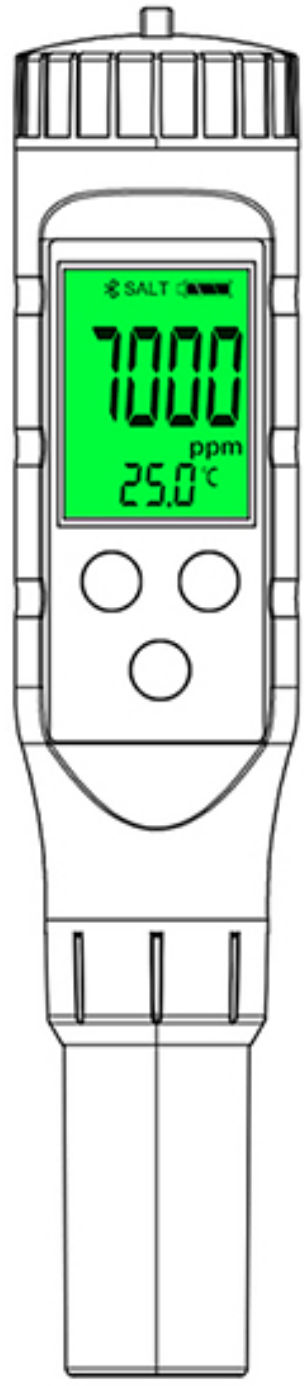
INSTRUCTION MANUAL

Bluetooth 7 In 1



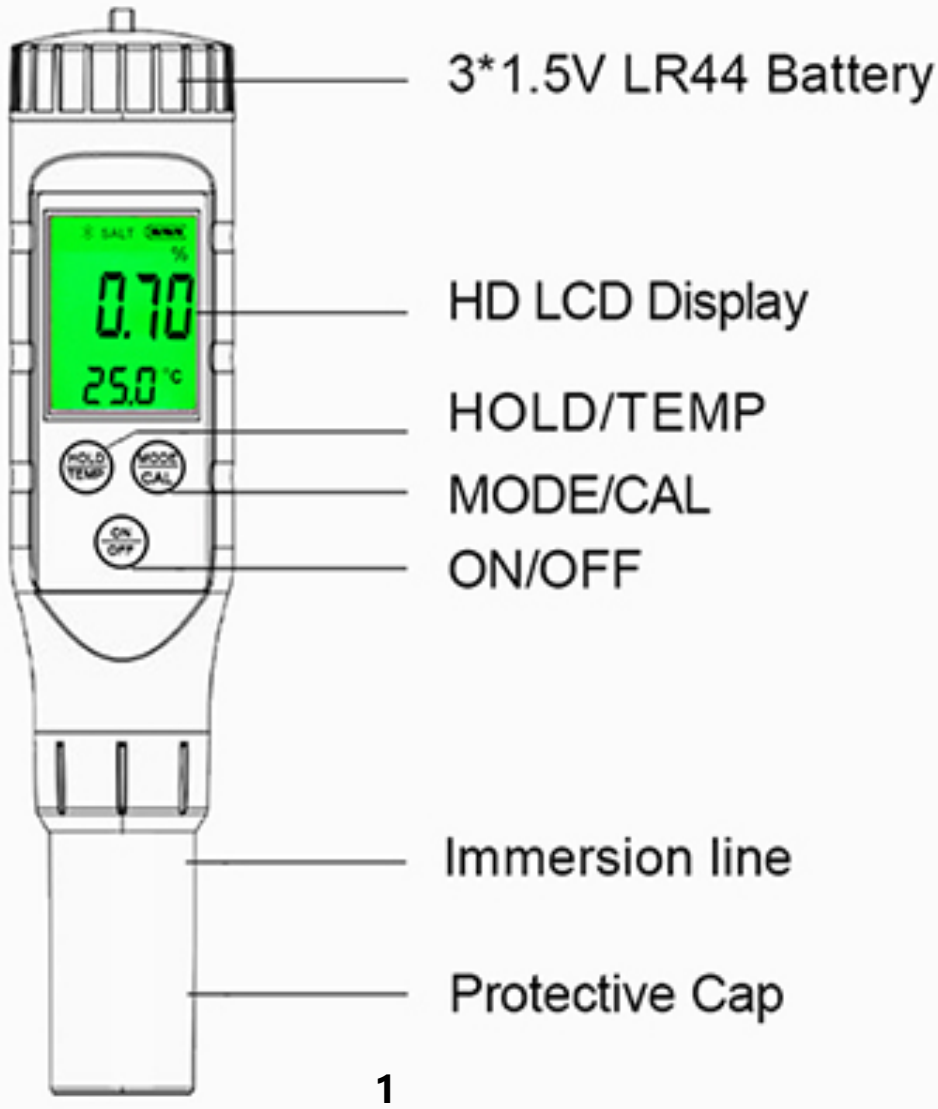
Water Quality Tester

(pH/EC/TDS/SALT/S.G/ORP/TEMP Meter)

PARAMETER

pH	Range	0.00-14.00 pH
	Resolution	0.01 pH
	Accuracy	±0.05 pH
EC	Range	0-9990μS/cm; 10.01-19.99 mS/cm; 20.1-200.0 mS/cm
	Resolution	1μS/cm; 0.01mS/cm; 0.1mS/cm
	Accuracy	±2% F.S
TDS	Range	0-999ppm; 1000-9990ppm;10.1-100.0 ppt
	Resolution	1 ppm; 10ppm; 0.1ppt
	Accuracy	±2% F.S.
Salt	Range	0.01-25.00 %; 0-999 ppm; 1000-9990 ppm; 10.1-100.0 ppt
	Resolution	0.01 %; 1ppm; 10ppm; 0.1ppt
	Accuracy	±2% F.S.
S.G	Range	1.000-1.222
ORP	Range	-999mV~+999mV
	Resolution	1 mV
	Accuracy	±4 mV
Temp.	Range	0.1℃-60.0℃; 32.1℉-140.0℉
	Resolution	0.1℃; 0.1℉
	Accuracy	±0.5℃
Calibration	pH	6.86/4.00/9.18 or 7.00/4.00/10.01
	EC/TDS/Salt	1413μS/cm; 12.88 mS/cm; 111.8 mS/cm
	ORP	256 mV
TDS Factor	0.1-3.0 (Factory Default 0.5)	
EC Temp. Compensation	0.1-3.0%/℃ (Factory Default 2.0 %/℃)	
Bluetooth	mobile bluetooth 5.2 Verson	
Backlight	with backlights, support mobile control	
Measurement Data	Save	save as Excel sheet
	Printing	support
Calibration	pH	Optional two sets of calibration modes
	Calibration records can be viewed	
ATC	0.1℃-60.0℃	
Environment	0.1℃-80.0℃ RH: max 90%	
Waterproof	IP67	
Battery	3*1.5V (LR44) low battery indicator	
Dimensions/Weight	187*37*37mm（7.36*1.46*1.46in)/ 95g	
Electrode	Replaceable	

BUTTON



OPERATION

1. Scan the QR code to download the APP.

(IOS) (Android)

Click  can switch between Chinese and English.

2. Turn on the meter by pressing “ON/OFF”.

3. Put the electrode into the testing solution, Wait until the testing is stabilized.

Press “MODE” button to convert Salinity, S.G, ORP, EC, TDS and pH Mode.

Press “HOLD/TEMP” to HOLD the testing.

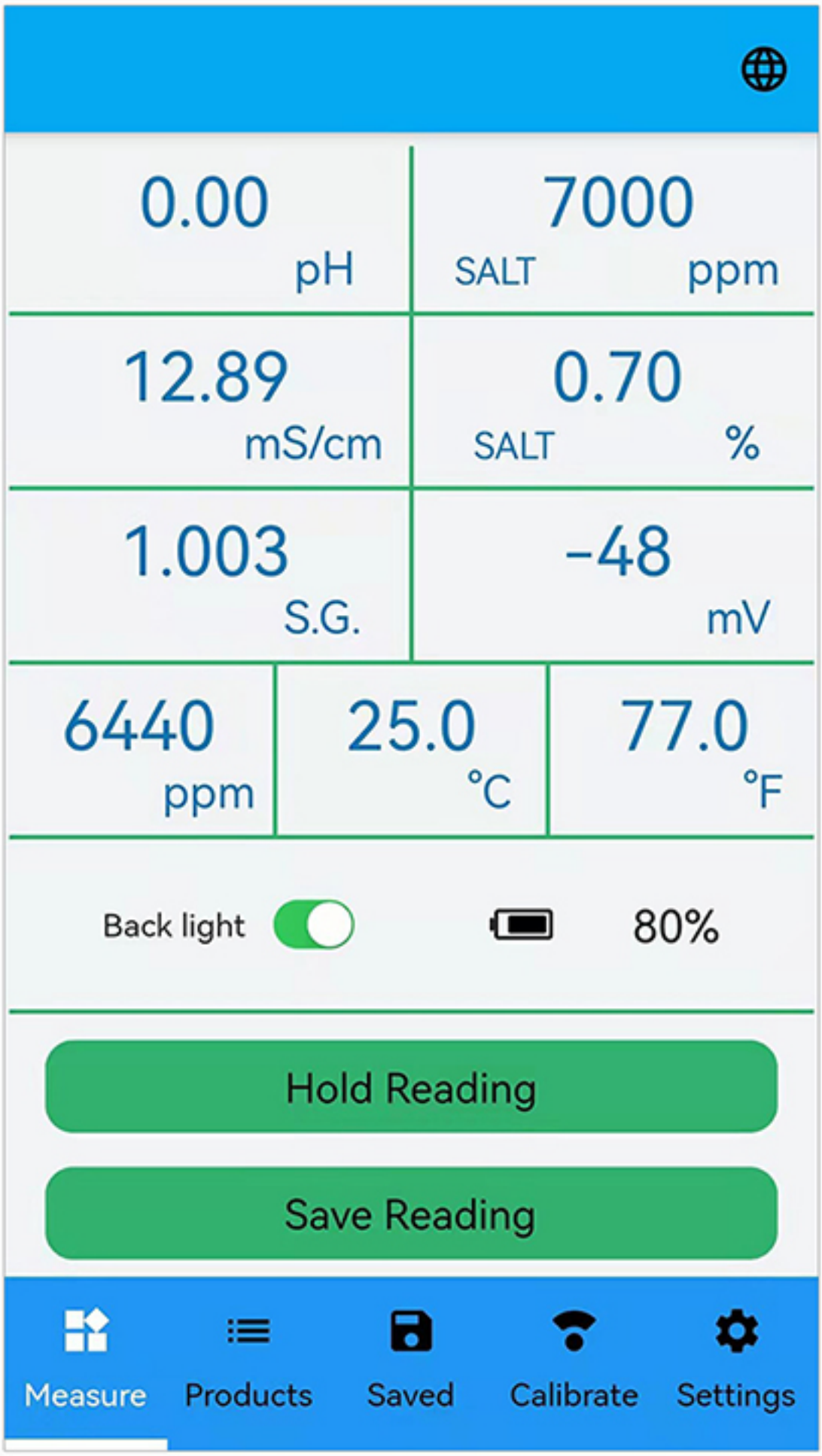
Long press “HOLD/TEMP” button to convert temperature between ℃ and℉.

Bluetooth Function:

long press “ON/OFF”, will display on the screen. Open the APP, APP will match the meter model automatically.

Press 

in APP, All testing results (mV/S.G/ppm/%/pH/ μS/cm /℃/℉) can be viewed on the APP. Model number display on top of the screen.



4. Back light on

Back light off

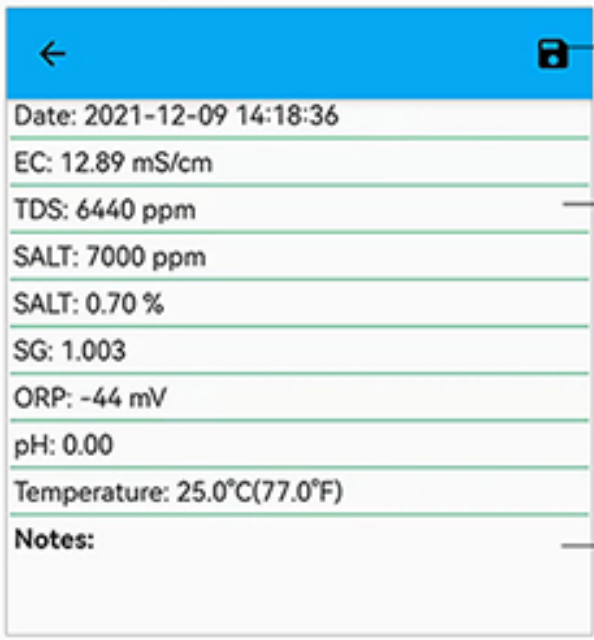
5. Power display

6. H is displayed on the screen

7. Click to save data Manually

Save Reading

Click  to save measurement data.



Press 

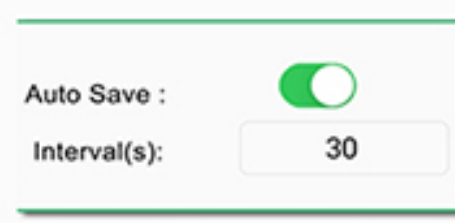
to view measurement data.

Manually saved data is displayed in black

Auto- saved data is displayed in blue

8. Automatically save data

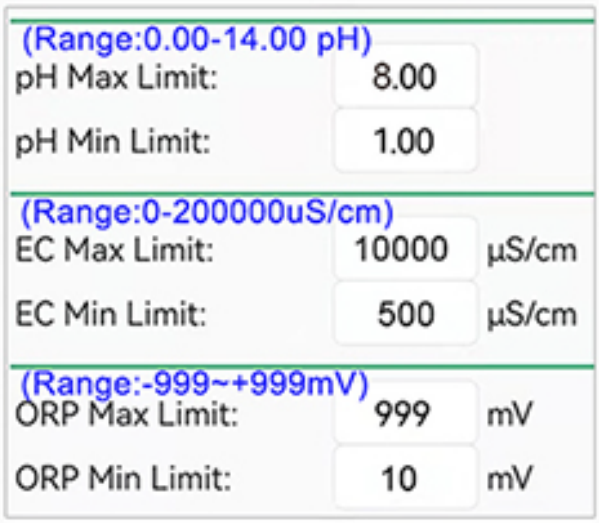
Auto Save off



Auto Save on

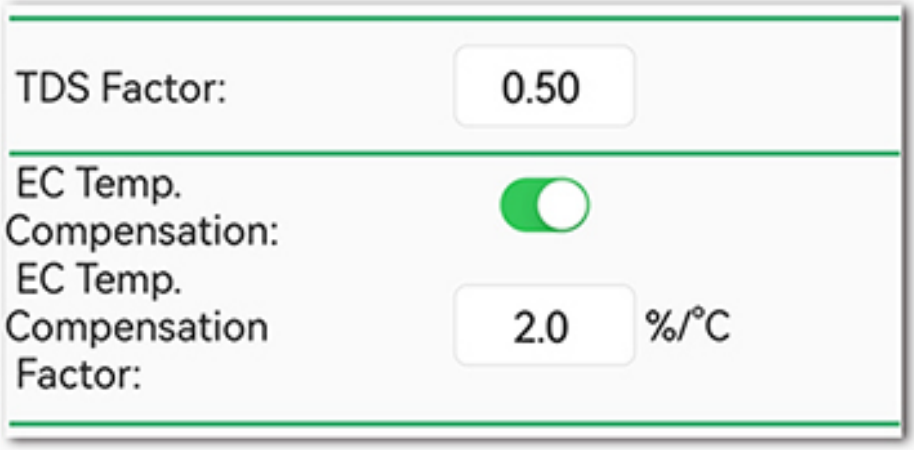
Auto Saved time interval can be set (between 0-9999 seconds).

9. Set pH/EC/ORP Max or Min Limit values according to user's requirement. If testing results are out of range, the digits will display in red.



10. Set TDS Factor: Factory default is 0.5; The setting range is 0.0-3.0 .

Set EC Temperature compensation Factor: Factory default is 2.0 %/℃; The setting range is 0.0-3.0%/℃ .



11.Save/Share and Print

Press Saved to view records. Press Share to share the file. If connect to the printer, the testing records can be printed.

VIEW MORE

Press 

and **VIEW MORE.....** can find more different models.

pH CALIBRATION

6.86/4.00/9.18 Calibration

pH Solution: Dissolve each buffer solution into 3 cups which is filled with 250ml distilled water. Convert to pH mode.

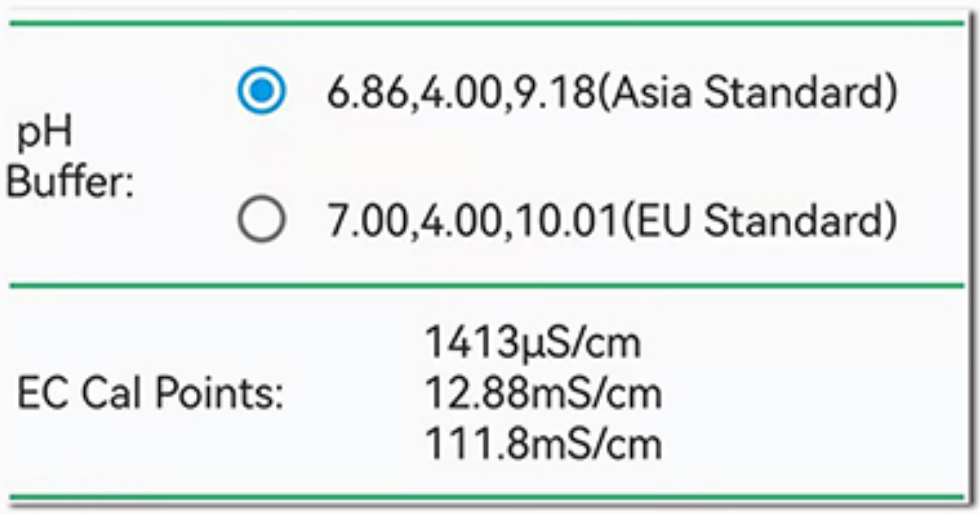
- Put electrode into 6.86 solution;
  Wait until the testing is stabilized;
  Press “CAL” for 5 seconds, release button;
  Wait for 6.86 flash 3 times;
  Finshed 6.86 calibration;
  Clean electrode with distilled water.
- Put electrode into 4.00 solution;
  Wait until the testing is stabilized;
  Press “CAL” for 5 seconds, release button;
  Wait for 4.00 flash 3 times;
  Finshed 4.00 calibration;
  Clean electrode with distilled water.
- Put electrode into 9.18 solution;
  Wait until the testing is stabilized;
  Press “CAL” for 5 seconds, release button;
  Wait for 9.18 flash 3 times;
  Finshed 9.18 calibration;
  Clean electrode with distilled water.

7.00/4.00/10.01 are the same calibration steps.

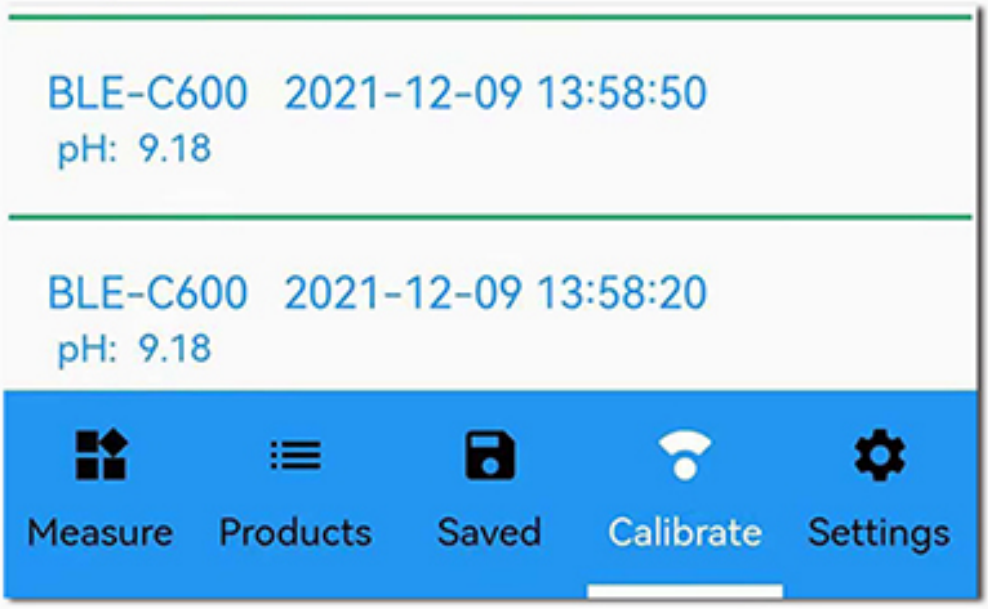
There has two sets calibration points:

6.86/4.00/9.18 and 7.00/4.00/10.01.

It can be chosen in Settings.

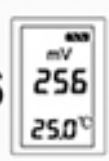


Press Calibrate can view calibration records.



ORP CALIBRATION

256mV Calibration

- Press Mode button, convert to ORP Mode;
- Put the electrode in the 256mV solution;
  Wait for the value to stabilize;
- Press CAL for 5 seconds, Release button;
  Press up arrow HOLD/TEMP to add digits;
  Press down arrow CAL to reduce digits until
  the showing digit is 256 

. Release button;
- Wait for 256 to flash 3 times;
- Finished ORP calibration. Clean electrode.

TDS/EC/SALT CALIBRATION

1413μS/cm Calibration

- Press ▽ MODE/CAL, convert to EC Mode 

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- Put electrode into 1413μS/cm standard solution, wait until the testing is stabilized, press ▽ MODE/CAL for 5 seconds, screen displays the testing values. Press up arrow △ HOLD/TEMP to add digits. Press down arrow ▽ MODE/CAL to reduce digits until the showing digit is 1413. Release key.
- 1413 flashes 3 times, finished 1413 calibration.
- Clean electrode with distilled water.

12.88mS/cm Calibration

- Press ▽ MODE/CAL, convert to EC Mode 

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- Put electrode into 12.88mS/cm standard solution, wait until the testing is stabilized;
- Press ▽ MODE/CAL for 5 seconds, screen displays the testing values. Press up arrow △ HOLD/TEMP to add digits. Press down arrow ▽ MODE/CAL to reduce digits until the showing digit is 12.88. Release Key.
- 12.88 flashes 3 times, finished 12.88 calibration.
- Clean electrode with distilled water.

Please choose a standard solution which is close to your test solution for EC calibration.

111.8mS/cm Calibration

- Press MODE/CAL, convert to EC Mode 

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- Put electrode into 111.8mS/cm standard solution, wait until the testing is stabilized, press MODE/CAL for 5 seconds, screen displays the testing values. Press up arrow HOLD/TEMP to add digits. Press down arrow MODE/CAL to reduce digits until the showing digit is 111.8. Release Key.
- 111.8 flashes 3 times, finished 111.8 calibration.
- Clean electrode with distilled water.

WARRANTY

Meter warranty time: 12 months
Electrode warranty time: 6 months
During the warranty period, the meter will be repaired or replaced free of charge due to damage caused by the meter quality.

The following are not covered by the warranty:

① Damaged by wrong use or self-assembly or repair.
② Damaged by the human factors.
③ Damaged by force majeure.