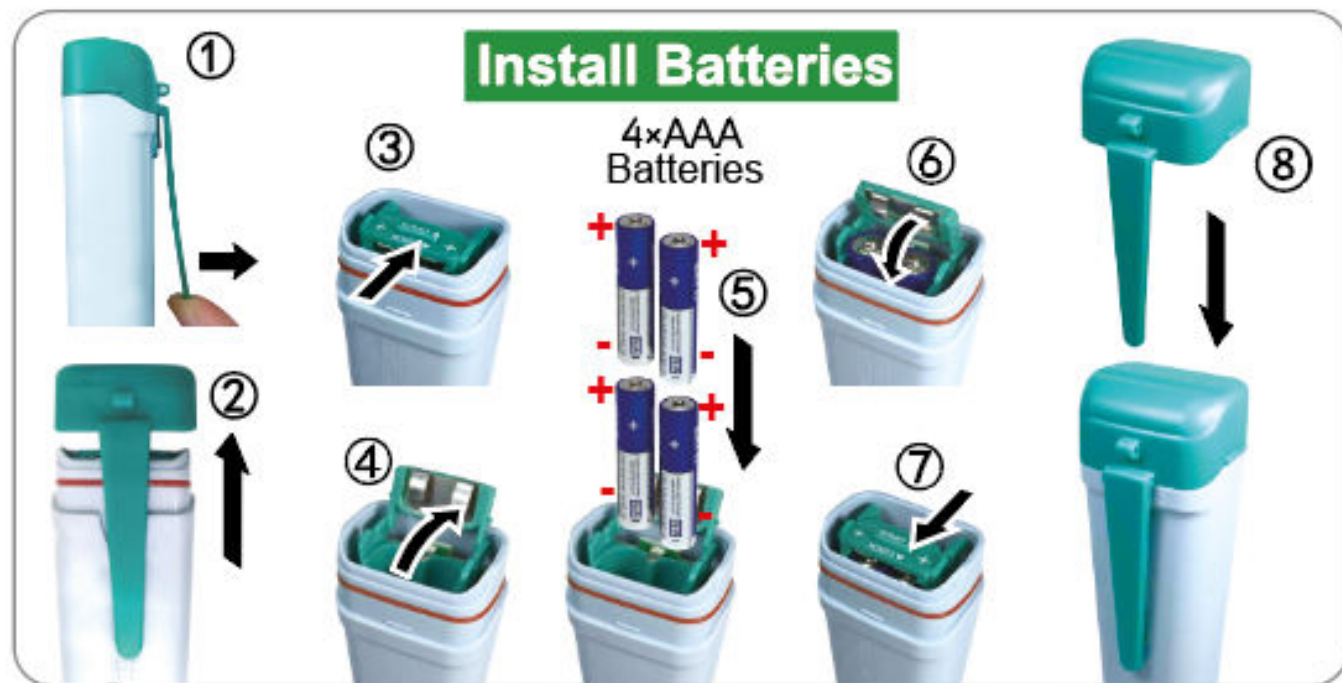




Install Batteries

4xAAA
Batteries



1. Short press to turn on; long press to turn off.
2. When powered off, long press to enter settings.
3. After settings, long press to enter measurement.



1. Long press to enter calibration mode
2. Short press to finish calibration or confirm settings

Short Press: Short-tap the key

Long Press: key-hold time > 2 seconds

Calibration

①

Remove the battery insulation paper.

Short press  to turn on meter.

②

Rinse the probe in pure water, then shake off excess water.

* If you find white salts around the probe, it's normal (not a sign of a used product). Just rinse them off and the tester's performance won't be affected at all.

1st Point Calibration

③

Make a quick stir in the calibration solution, then hold still. → Long press  to enter calibration mode, wait for stable reading.

- * PH20: Use 7.00 pH solution
- * EC20/TDS20: Use 1413 μ S solution
- * Salt20: Use 12.88 mS solution

④

When  stays on screen, short press  to finish the calibration.

* Short pressing  before  stays on screen will cause Er2. To fix it, wait for  to fully stabilize, then short press  to finish calibration.

⑤

2-Point Calibration

PH20: in 4.00 pH solution, repeat ② → ④

EC20/TDS20: In 12.88 mS solution, repeat ② → ④

⑥

3-Point Calibration

PH20: in 10.01 pH solution, repeat ② → ④

- * The 1st point of pH calibration must be 7.00 pH
- * 10.01 pH solution is sold separately.



Measurement

Short press  to turn on meter.

↓

Rinse the probe in pure water, then shake off excess water.



Make a quick stir in the test solution, then hold still → Take the reading after 😊 stays on screen.



Long press  to power off.

↓

Rinse the probe in pure water

↓

Put on the probe cap

Model	Range	Resolution	Accuracy	Calibration	Calibration Solution	ATC	Function
PH20	0 - 14.0 pH 0 - 50.0°C	0.1 pH 0.1°C	±0.1 pH ±0.5°C	1 - 3 points	7.00/4.00/ 10.01pH	0 - 50.0°C	1. Indication of calibration point: (L)(M)(H) 2. to 4. Same as below
EC20	0~2000 μS, 0~20.0 mS 0 - 50.0°C	0.1/1 μS 0.1 mS, 0.1°C	±1% F.S ±0.5°C	1 - 2 points	1413 μS/ 12.88 mS	0 - 50.0°C	1. Indication of calibration point: (M)(H) 2. Measuring stability indication: 😊 3. Self-diagnosis information: Er1, Er2 4. Low voltage alarm:  (flickering) 5. Auto-off in 8 minutes if no operation
TDS20	0~1000 ppm, 0~10.0 ppt 0 - 50.0°C	0.1/1 ppm, 0.1 ppt, 0.1°C	±1% F.S ±0.5°C	1 - 2 points	1413 μS/ 12.88 mS	0 - 50.0°C	
Salt20	0 - 10.0 ppt 0 - 50.0°C	0.1 ppt 0.1°C	±1% F.S ±0.5°C	1 point	12.88 mS	0 - 50.0°C	1. Indication of calibration point: (H) 2. to 4. Same as above

Settings When meter is turned off, long press  to enter menu. → Short press  to switch P1-P2-P3. → Short press  to start changing parameter.
→ Short press  to change parameter. → Short press  to confirm the change. → Long press  to return to measurement mode.

	PH20	EC20	TDS20	Salt20
P1	Select pH buffer (USA - NIST)	Select range (AUT - μS - mS)	Select TDS factor (0.40 - 1.00)	Select salinity unit (ppt - g/L)
P2	Select Temp. Unit (°C - °F)	Select Temp. Unit (°C - °F)	Select Temp. Unit (°C - °F)	Select Temp. Unit (°C - °F)
P3	Factory defaults (No - Yes)	Factory defaults (No - Yes)	Factory defaults (No - Yes)	Factory defaults (No - Yes)

NOTES

- Unit conversion: 1 mS = 1000 μS = 1 EC; 1 ppt = 1000 ppm = 1 g/L
- EC20 measurement range selection: "AUT": 0.1 μS - 20.0 mS, auto switch; μS: 0.1 - 2000 μS; mS: 0.1 - 20.0 mS