Salinity Meter Instruction Manual

CT-3088

Thanks for choosing our products. Please read the manual carefully before using the meter. keep the manual for future reference.

FEATURES

*Salinity scale 0.0% ~10.0%	* LCD with displays in both salinity and temperature
* Pen type digital Salinity meter, all in one, electrode is included.	* Data hold function for freezing the desired value
* Water proof and protection	* Temperature measurement in ℃ or ℉
* Build in temperature sensor, ATC (auto temperature compensation)	* Power supply by DC 1.5 V battery (LR44, BAT) x 4 pcs
* Auto power off in 5 minutes	* Available for wide applications, such as seawater salinity, Preserved food, salt intake control

SPECIFICATIONS

Display	LCD, size : 20 mm x 27 mm	
Measurement Range	Salinity	0.0% to 10.0%
Resolution	Salinity	0.1%
Accuracy	Salinity	±0.2%FS
Temperature	Range	0～50℃（32～122℉）
	Accuracy	±1℃, ±2℉
Calibration Point	8.0% Nacl solution *one point calibration	
ATC (auto temperature compensation)	0～50℃（32～122℉）	
Dimension	188 x 38 mm	
Weight	84 g	

OPERATING INSTRUCTION

Pull out the cap before use, Do not Screw it!

* Hold Feature

Press **HOLD** to freeze the current reading, and a flashing 'HOLD' will be appeared on the LCD. Press **HOLD** again to release the hold mode.

* Automatic Temperature Compensation (ATC)

The product is capable of measuring with automatic temperature compensation. The meter is in ATC mode when 'ATC' shows in the screen.

*℃/℉ Switchover

Press **FUN** to choose the desired temperature measurement. Default mode is degree Celsius (℃).

* Out of Range Displays

1. Out of calibration range (>10.5%), '1-. -' will be displayed.
2. Out of temp. Range (<0℃, > 50℃), 'L' or 'H' will be displayed.

* Low Battery Power Indicator

Please change the batteries when a sign of the battery shows in the display. Do not mix the news with the olds.

*Calibration

1. Prepare the 8% Nacl solution.
2. Power on the meter, and insert the probe into Nacl solution, and wait until the data stable.
3. Press ON/OFF to turn the meter on, submerge the probe in the solution. Then keep it still until a stable reading is reached. Press FUN for 3 seconds until the Text 'CAL' appears, a data which maybe not accurate will appear, then 8.0 will be showed.
4. Calibration ends after SA and End shows on the screen in trun.

Attention : the salinity value should between 7% -9% after the probe insert into 8% Nacl solution. If the salinity percent of the solution is out of range, the meter can not be calibrated. Use factory setting restore function if an error occurred.

*Restore factory defaults

1. If the meter is out of order, Press the HOLD key until the "CLR" display on the screen, release the HOLD key and the factory setting is ready.
2. The meter needs to calibrate again.

MAINTENANCE

Please always keep the electrode clean.

WARRANTY

The meter is warranted to be free from defects in material and workmanship for one year from the date of purchase. This warranty covers normal operation and does not cover battery, misuse, abuse, alteration, tampering, neglect, improper maintenance or damage resulting from leaking batteries. Proof of purchase is required for warranty repairs. Warranty is void if the meter has been opened.

Warning

1. Please make sure no air bubble in the hole (at the bottom of the meter) to reduce measurement error.

How to prepare the calibration solution

(1) prepare a jar which the volume should be 100ml

(2) put 8g Nacl into the jar

(3) add little distilled water into jar and swirling it until the Nacl dissolved.

(4) Then add distilled water until the water level reach the graduation line.