TDS Meter Instruction Manual

CT-3061

Thanks for choosing our products. Please read the manual carefully before using the meter. And keep this manual in a safe place for future reference. Always rinse the electrode in distilled water for 10 mins. and wipe carefully with a tissue before use.

FEATURES

* 0 to 9999 ppm	* LCD indicates both ppm & Temp.
* Auto calibration for 6640 ppm （12.88 ms/cm）	* Data hold function for freezing the desired value
* Water proof	* Auto power off without operation in 5 mins
* Easy to change the tds electrode	*Microcomputer circuit, intelligent function, high accuracy
* Temperature measurement, ℃ or ℉	* Compact size, light weight
* Build in temperature sensor, ATC (auto temperature compensation)	* Power supply by 1.5 V battery (LR44) x 4 pcs
* Pen type digital tds meter, all in one, tds electrode is included, easy for general purpose application	*Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, laboratory, quality control, school & colleges, swimming pools, water conditions

SPECIFICATIONS

Display	LCD, size : 20 mm x 27 mm. Consumption	
Measurement Range	tds	0 to 9999 ppm
	Temp.	0 to 50 ℃ (32 to 122 ℉)
Resolution	tds	1 ppm
	Temp.	0.1 ℃ , 1 ℉
Accuracy	tds	±5 ppm+1%FS * After calibration
	Temp.	± 0.5℃, ± 1℉
TDS Calibration	6640 ppm , （12.88 ms/cm） 1 point calibration	
Operating Humidity	Less than 80% RH	
Dimension	188 x 38 mm (electrode included).	
Weight	82 g (electrode included).	

OPERATING INSTRUCTION

Do not screw the probe cap at the bottom of the TDS meter, pull it out directly!

* Hold Feature

A hold sign will be displayed when press HOLD to freeze the current reading. Press HOLD again to release the hold mode and a hold sign be disappeared.

*Temperature Measurement ℃ or ℉

The default temperature measurement is ℃. While ℃/℉ sign shift , Press "CAL" key for a short time.

* Automatic Temperature Compensation (ATC)

The product is capable of measuring the temperature and making compensation automatically, 'ATC' shows at the left corner of the screen.

* Calibration

1. Prepare 6640 ppm （12.88 ms/cm）buffers, Use 6640 ppm buffer for the mid-range buffer first. The tds values for the buffers are given for 25 °C. If the sample temperature is not 25 °C, the tds values displayed for the buffers will reflect the correct tds value for the sample temperature. If the electrode is dry, submerge it in distilled water for 10 minutes before calibration. Ensure that the calibrating buffers are fresh.
2. Press ON/OFF to turn the meter on, submerge the probe in the buffer while stir gently. Then keep it still until a stable reading is reached. Press CAL for 3 seconds until the Text 'CAL' appears. Then release CAL, the meter will identify the current buffer value automatically, and display 6640 in the LCD. The result will be saved while the text 'SA' displayed after 2 seconds. The meter will back to measuring mode after 1 second while text 'End' showed.
3. If text 'End' is showed after press CAL, it means the calibration buffer is not fresh or the probe is aging.
4. Do not take out the probe from the buffer until text 'End' is showed in the LCD.

*Reset data of out of the factory

1. The hold sign be displayed in the LCD when press hold key.
2. Keep to press hold key until the hold sign be disappeared.

* If out of the Range

- If the tds value is lower than 0 or higher than 9999 ppm, '1 -- -- --' will be displayed.
- When the temperature is too low or too high, 'L' or 'H' will be displayed.

* Low Power Indication

Change batteries if the battery sign in the LCD be appear.

WARRANTY

The meter is warranted to be free from defects in material and workmanship for one year from the date of purchase. This warranty 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 taken apart.