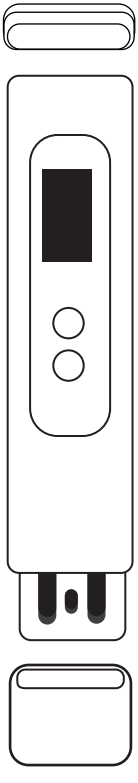
6-in-1 Drinking Water Tester User Manual

Please read the instruction manual carefully before use and keep it in a safe place.



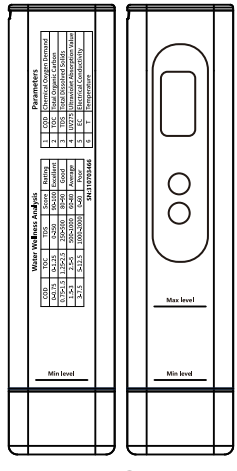
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Overview

The water quality tester is mainly used for testing drinking water such as tap water, purified water, and ground water.

It uses UV absorption to measure COD, TOC and UV275 water quality parameters in drinking water. It also determines conductivity and TDS by measuring conductivity.

It has an intelligent scoring function, which can display four grades of water quality through different screen colors on LCD: excellent, good, average and poor. Furthermore, it has an automatic temperature compensation function and high measurement accuracy.



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Specifications

Measurement	Tap water, purified water, bottled water, groundwater, surface water (not waste water), and other drinking water for domestic use
Parameter	COD (Oxygen Consumption), TOC (Total Organic Carbon), TDS (Total Dissolved Solids), EC (Electrical Conductivity), UV275 (Ultraviolet Absorption Value), T (Temperature)
Measurement range	COD (0-100 mg/L), TOC(0-100mg/L), UV275 (0-1.0 au/cm), TDS (0-2000 ppm), EC (0-4000 us/cm), T (0-50°C)
Resolution	COD (0.01mg/L), TOC (0.01mg/L) , UV275 (0.001au/cm), TDS (1ppm), EC (1us/cm), Temp (0.1℃)
Accuracy	COD: 0-5mg/L: ±0.5mg/L; 5-100mg/L: ±10% H TOC: 0-5mg/L: ±0.5mg/L; 5-100mg/L: ±10% H UV275: 0-0.1au/cm: ±0.01au/cm; 0.1-1.0au/cm: ±10% H TDS: ±3%FS Electrical Conductivity: ±3%FS Temperature: ±1°C *(H is the standard value, FS is full-scale value)
Display	1.14 inch / 240*135mm TFT color screen
Power supply	2*AAA alkaline dry batteries
Temperature measuring range	41-122℉ / 5-50℃
Storage temperature range	32°F - 140℉/0-60℃
Sizes	6.18*1.46*0.55in 157*37*14mm
Weights	45g

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Characteristics

1.For a comprehensive evaluation of water quality, it measures COD, TOC, UV275, TDS, EC, and temperature simultaneously.

2.The color screen displays different levels of water quality intuitively and provides results using different colors: poor-red,average-yellow, good-green,excellent-blue.



3.Accurate measurements and an automatic temperature compensation feature.

4. Pen-type design, compact size, easy to carry, and simple to use.

Operation

1. Power on/off

Power on: Press once to power it on.

Power off: Long press or 3 minutes without operating the device.

2. Calibration

It is recommended to calibrate the tester after extended non-use or after measuring poor water quality.(Poor water quality may cause impurities to attach to the probe and contaminate it. Please ensure the probe is cleaned before calibration.)

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· Power on the tester, then place the probe into purified water with no minerals or distilled water. Long press (M) to enter the calibration page;

· When 「Yes/No] appears, press (⏻) to select [Yes];
· Press the (M) to confirm, and the display will show "Calibration Successful." The calibration is complete.
· At this point, you can begin measuring by placing the tester probe into the water sample and pressing the (M)
· After waiting 2-3 seconds, the water quality score will be displayed.

3. Reasons for Calibration Failure

· The water used for calibration is not mineral-free purified water or distilled water;
· The probe is contaminated. Please rinse the probe with clean water before calibration.

4. View the results of 6 parameters

·Power on the tester, press (M) to measure and obtain the water quality score.
· Press (⏻) again to view detailed values for COD, TOC, and TDS.
· Press (⏻) once more to view detailed values for UV275, EC, and Temperature.
· Press (⏻) a third time to return to the water quality score page.

5. Scoring

TOC (mg/L)	0-1.25	1.25-2.5	2.5-5	5-12.5
COD (mg/L)	0-0.75	0.75-1.5	1.5-3	3-7.5
TDS (ppm)	0-250	250-500	500-1000	1000-2000
Score	90-100	80-90	60-80	0-60
Grade	Excellent	Good	Average	Poor
Screen color	Blue	Green	Yellow	Red

6.Battery Installation & Replacement

· Open the battery cover at the top of the display from the left-side notch.
· Insert 2 AAA batteries into the right-side slot one one by one, ensuring that the negative end faces downward.



*Put 2 AAA batteries

· When the batteries are depleted, remove the old batteries and replace them with new ones.
· Secure the battery cover, ensuring the metal strip aligns with the battery for the device to function properly.

7.Battery level

After powering on, the battery level is shown in the lower right corner of the display.

8.Language Settings

· With the device powered off, press and hold (⏻) for 5 seconds to enter [Main Menu].
Options: 语言:中文/ 校准/ 退出

· Press (M) once to select "语言",then press (⏻) to select "English", then press (M) to confirm.
· Press (M) twice to select "Exit", then press (M) to enter measurement page.

Precautions

1.Do not use the tester to test corrosive liquids, such as beverages, tea, or sewage.
2.Do not use alcohol or other organic solvents to clean the probe, as they can cause permanent damage.
3.The tester can measure water temperatures between 32°F - 140°F/0-60°C.Please do not use it outside of this temperature range,as extreme temperatures may permanently damage the tester probe.
4.After each use, wipe away any liquid remaining around the probe to ensure it stays clean.
5.Do not press the (M) to start the test before the tester is placed in the water, as this may cause the tester to detect values from the air, leading to system malfunction.
6.Before calibration, clean the probe to remove any water or dirt, ensuring it does not contaminate the calibration water, which could lead to calibration failure.
7.If the tester will not be used for an extended period, please remove the battery.

Warranty

This product comes with a 6-month warranty. If the product is damaged due to manufacturing defects within this period, please contact us to resolve the issue.

TIPS:

1.Before using the tester, please remove the probe protective cover at first.

2. Be sure to use purified water with no minerals or distilled water for calibration. Using other water（e.g, tap or mineral water) will result in calibration failure or incorrect readings.

3. A yellow screen indicates "average water quality." Professional institutions testing is recommended.

4. A red screen indicates "poor water quality." Must be tested and improved by professional institutions.