

# EN: WATRIUS – USER MANUAL

## PRODUCT DESCRIPTION

The Portable E-2 TDS & EC Meter is a multifunctional professional instrument designed to measure:

- **TDS (Total Dissolved Solids)** in water (mg/L or ppm)
- **Conductivity** ( $\mu\text{S}/\text{cm}$ )
- **Temperature** ( $^{\circ}\text{C}$  /  $^{\circ}\text{F}$ )

It features high performance, a pen-type design, rapid numerical stability, and accurate results.

## Measurement Range

- **Conductivity:** 0 – 9999  $\mu\text{S}/\text{cm}$
- **TDS:** 0 – 9999 ppm
- **Temperature (Celsius):** 0.1 – 80.0  $^{\circ}\text{C}$
- **Temperature (Fahrenheit):** 32.0 – 176.0  $^{\circ}\text{F}$

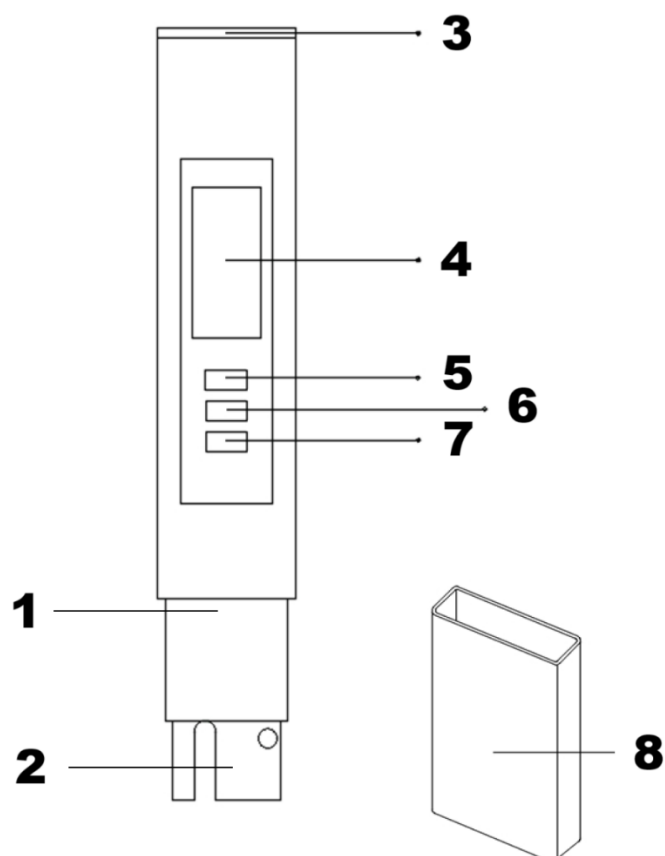
## Accuracy:

- $\pm 2\%$  (0 – 2000 ppm)
- $\pm 5\%$  (2000 ppm and above)

**Net Weight:** 55 g

**Size:** 154 × 30 × 14 mm

## PRODUCT OVERVIEW



1. Immersion line
2. High-precision Titanium Alloy Electrode
3. Battery compartment
4. LCD screen
5. MODE button
6. CLEAR button
7. ON/OFF/HOLD button
8. Protective cap

## FUNCTIONS

### Hold Function

The instrument can lock the measurement result by pressing the **HOLD** button twice. It will also automatically lock when the reading stabilizes. Once locked, press the **MODE** button to switch between modes. Press the **CLEAR** button to unlock.

### Auto Shut-off Function

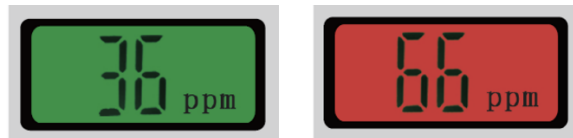
The instrument automatically powers off after 2 minutes of inactivity to save battery life.

### Automatic Temperature Compensation

The instrument is equipped with automatic temperature compensation for more accurate readings.

### Mode Shift

Press the **MODE** button to cycle between four display modes: ppm,  $\mu\text{S}/\text{cm}$ ,  $^{\circ}\text{C}$ ,  $^{\circ}\text{F}$ .



- **TDS < 40 ppm:** Display shows green
- **TDS  $\geq$  40 ppm:** Display shows red

*The instrument has a memory function. Upon startup, it resumes the last mode used before shutdown.*

## MAINTENANCE

- Keep the electrode clean and always cover it with the protective cap.
- Remove the batteries if the device will not be used for an extended period.

## PRODUCT USE

1. Remove the electrode protective cap before use.
2. Press the **ON/OFF** button and immerse the meter in the solution (do not immerse past the immersion line).
3. Once the reading stabilizes, press the **HOLD** button, then remove the meter from the solution to check the result.
4. After use, wipe the electrode clean, turn off the meter, and replace the protective cap.

## NOTES

1. This instrument is designed for home use and is not intended for professional laboratory applications.
2. Avoid exposure to heat, direct sunlight, or immersing the instrument beyond the immersion line.
3. Use standard buffer solutions for calibration. Incorrect calibration can cause inaccurate measurements or malfunction.
4. The instrument is **not waterproof**. Do not submerge it completely or immerse it beyond the immersion line, as this may cause a short circuit.

## INSTRUCTIONS FOR RECYCLING AND DISPOSAL:



This label means that the product cannot be disposed of as other household waste throughout the EU. To prevent potential damage to the environment or human health from uncontrolled waste disposal. Recycle responsibly to promote the sustainable use of material resources. If you want to return a used device, use the drop-off and collection system, or contact the retailer from whom you bought the product. The retailer can accept the product for environmentally safe recycling.



A declaration by the manufacturer that the product complies with the requirements of the applicable EU Directives.