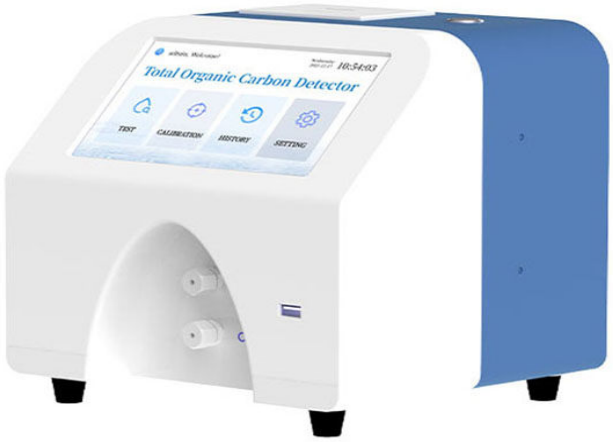
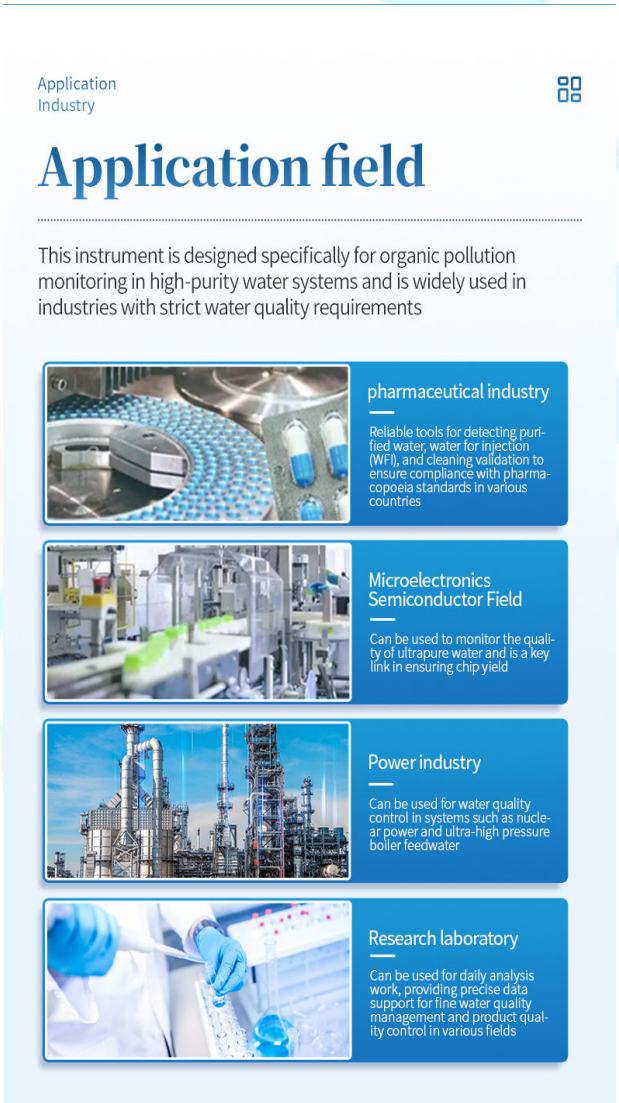
TOTAL ORGANIC CARBON-TOC



Android system	7-inch touch screen	High-precision measurement
WIFI upload	No reagent design	Built in thermal printing
Quartz reactor	Safe and energy-saving	Compact and portable

Introduction

The TOC analyzer (conductivity method) is designed specifically for the detection of high-purity water quality. The instrument adopts advanced differential conductivity detection technology to efficiently convert organic carbon in water samples into carbon dioxide through ultraviolet oxidation, and accurately measure the conductivity changes caused by it, thereby achieving precise and rapid analysis of TOC content.



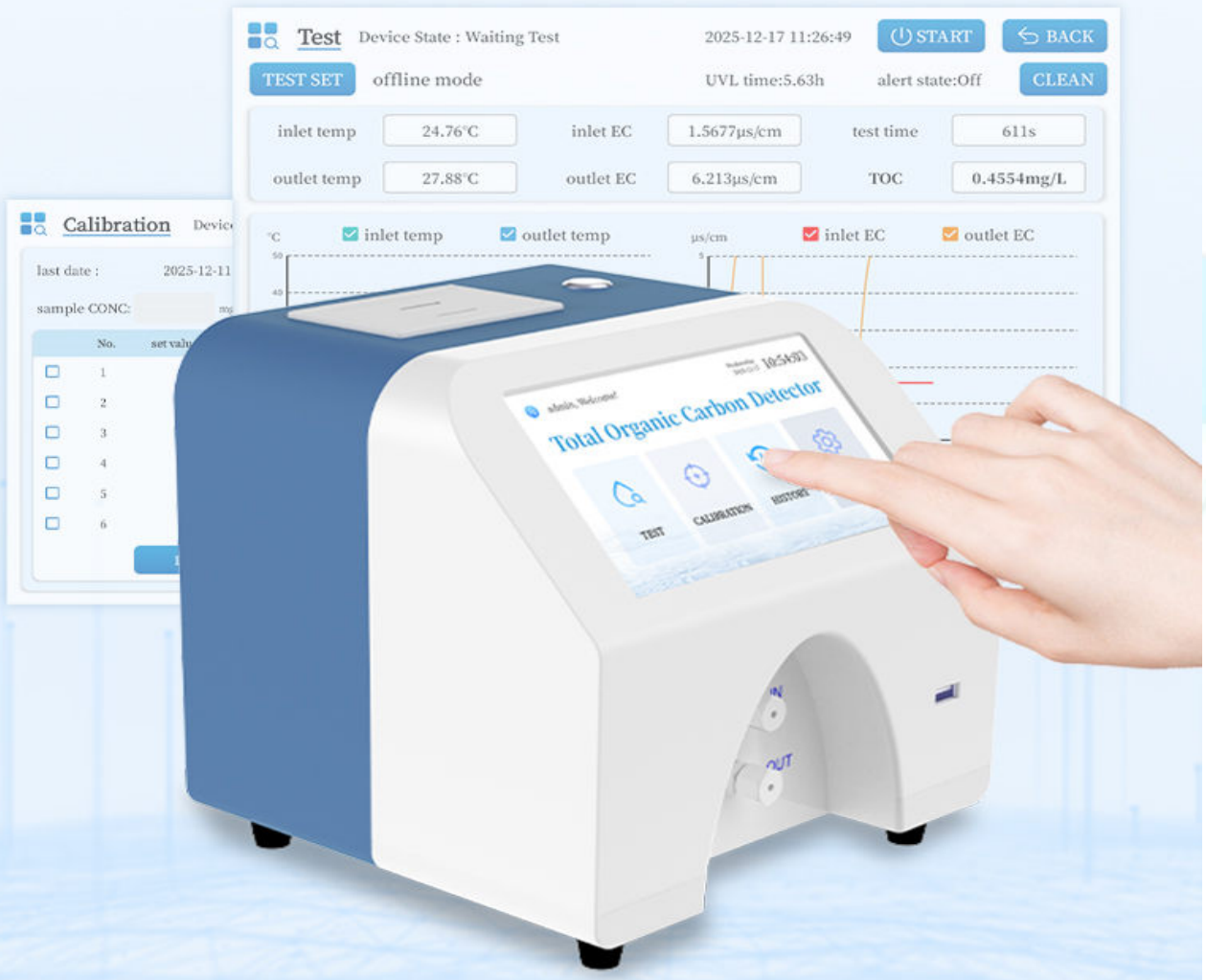
Application

- This instrument is designed specifically for organic pollution monitoring in high-purity water systems and is widely used in industries with strict water quality requirements.
- It is a reliable tool for testing purified water, water for injection (WFI), and cleaning validation in the pharmaceutical industry, ensuring compliance with pharmacopoeia standards of various countries.
- In the fields of microelectronics and semiconductors, it can be used to monitor the quality of ultrapure water, which is a key link in ensuring chip yield.
- At the same time, it is also applicable to water quality control of systems such as nuclear power and ultra-high pressure boiler feed water in the power industry, as well as daily analysis work in scientific research laboratories, providing accurate data support for fine water quality management and product quality control in various fields.

Intelligent interactive
users make good use of it

Intelligent Interaction user-friendly

The intelligent Android system is equipped with a 7-inch high-definition touch screen, with a clear and intuitive interface and excellent operating experience
Built in thermal printer, capable of outputting detection results at any time



Technical Specifications

- Detection range: 0.001 mg/L~1.600 mg/L (1 ppb~1600 ppb)
- Indication error: ± 5%
- Repeatability: RSD ≤ 2%
- Response time:<12 minutes
- Sample temperature: 1~70 ℃
- Working environment: temperature 10~40 ℃ (fluctuation<± 5 ℃/d); humidity: ≤ 85% RH (no condensation)
- Working power supply: AC 100~240 V 50/60 Hz
- Basic dimensions: 350 mm × 250 mm × 350 mm
- Weight: Approximately 3 kg

Electrical Specifications

- Power Supply and Power Consumption: AC 100 ~ 240V, 50/60 Hz
- global wide voltage design; rated power ≤50W
- standby power consumption <10W

Standards Compliance

- Compliance certification: The instrument design, performance, and software system comply with authoritative pharmacopoeia standards such as the US Pharmacopoeia (2025), USP <643>, EP 2.2.44, and JP <G3

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