

DATA SHEET: OZA-T15 UV Absorption Ozone Tester

High-Precision UV Absorption Technology for Reliable Ozone Monitoring

1. PRODUCT OVERVIEW

The **OZA-T15** is a high-precision ozone tester that utilizes a premium imported ultraviolet (UV) light source, renowned for its long service life and exceptional measurement stability. Designed for real-time monitoring and recording of ozone levels, this instrument is flexible, portable, and user-friendly. It is ideally suited for ozone preparation workshops, pharmaceutical production, water treatment facilities, and environmental safety assessments.

2. KEY FEATURES

- Advanced UV Optics:** Employs high-quality UV components to ensure superior stability and measurement accuracy over a wide detection range.
- Inert Gas Path:** The internal gas pipeline is constructed from high-grade PTFE (Teflon) to minimize ozone degradation, ensuring representative sampling and detection accuracy.
- Real-Time Documentation:** Features an integrated thermal printer for instantaneous hardcopy recording of time-stamped concentration data.
- Portable & Robust:** Equipped with a built-in high-capacity lithium battery and a lightweight chassis for reliable field operations.
- Intelligent Data Management:** Includes power-off memory functions to maintain timing and system settings during power interruptions.
- Intuitive Interface:** Large LCD screen provides a clear display of real-time measurements and operational parameters.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	OZA-T15
Measurement Range	0 – 100 ppm / 0 – 500 ppm / 0 – 1000 ppm (Optional)
Display Resolution	0.001 ppm
Principle	High-precision UV Absorption
Sampling Flow Rate	1.0 L/min
Response Time	10 s (Sampling Cycle)

Feature	Specification
Warm-up Time	10 min
Gas Connection	Φ6 mm Tubing
Data Output	Built-in Thermal Printer
Data Print Interval	10 s (Adjustable)
Power Supply	Internal Rechargeable Lithium Battery
Operating Environment	Temp: 0 – 40°C / Humidity: 0 – 60% RH
Dimensions (LWH)	280 × 300 × 195 mm
Weight	5.5 kg

4. APPLICATIONS

- **Industrial Safety:** Monitoring ozone concentrations in chemical preparation and textile workshops.
- **Water Treatment:** Assessing ozone levels in sterilization and purification processes.
- **Medical Device Testing:** Concentration detection for ozone-based sterilizing cabinets and medical equipment.
- **Environmental Science:** Precision analysis for atmospheric ozone monitoring and antioxidant capacity studies.

5. STANDARD ACCESSORIES

- OZA-T15 Main Analyzer
- PTFE Sampling Tube Kit
- Thermal Printing Paper
- **Factory Calibration Report**
- User Manual

Manufactured by:
Honri Airclean Technology (Suzhou) Co., Ltd.