

# DATA SHEET: OZA-T30 UV Absorption Ozone Analyzer

Precision Low-Concentration Monitoring via Ultraviolet Absorption Technology

## 1. PRODUCT OVERVIEW

The **OZA-T30** is a high-precision ozone analyzer utilizing an imported ultraviolet (UV) light source characterized by an extended service life and exceptional stability. Designed for low-concentration ozone detection, the instrument provides instantaneous readings on an integrated LCD screen. With its built-in printing capability and robust data management features, it is an essential tool for scientific research, environmental safety monitoring, and medical device validation.

## 2. KEY FEATURES

- Advanced UV Optics:** Employs premium imported UV components to ensure long-term stability and high measurement accuracy.
- Real-Time Documentation:** Features a built-in thermal printer for instantaneous hardcopy recording of time-stamped concentration data.
- Inert Gas Path:** Utilizes high-grade PTFE (Teflon) piping to minimize ozone degradation within the system, ensuring representative sampling.
- Field-Ready Design:** Equipped with an internal battery and a lightweight chassis for portable environmental monitoring.
- Comprehensive Data Interface:** Supports digital communication for seamless data upload to external monitoring systems.
- Intelligent Operation:** Includes power-off timing and adjustable print intervals for automated testing protocols.

## 3. TECHNICAL SPECIFICATIONS

Feature	Specification
Detection Method	UV Absorption
Measurement Range	0 – 1 ppm
Accuracy	± 3.0% Full Scale
Resolution	0.001 ppm
Sampling Flow Rate	1 – 2 L/min
Response Time	12 s (Sampling Cycle)

Feature	Specification
Warm-up Time	15 – 30 min
Gas Connection	Φ6 mm Tubing
Power Supply	AC 220V / 50Hz (Built-in Battery support)
Operating Environment	Temp: 0 – 40°C / Humidity: 0 – 60% RH
Dimensions (LWH)	525 × 225 × 164 mm
Weight	5.5 kg

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## 4. APPLICATIONS

- **Environmental Safety:** Monitoring ozone levels in workplace atmospheres and sterile zones.
- **Medical Device Validation:** Concentration detection for ozone-based sterilizers and medical equipment.
- **Scientific Research:** High-accuracy analysis for ozone oxidation and atmospheric studies.
- **Process Control:** Assessing the efficacy of ozone generators and analytical instruments.

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## 5. STANDARD ACCESSORIES

- OZA-T30 Main Analyzer
- PTFE Sampling Tube Kit
- Thermal Printing Paper
- **Factory Calibration Report**
- User Manual

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