

# DATA SHEET: OZA-C10 Handheld Ozone Tester

High-Precision Electrochemical Detection for Portable Ozone Monitoring

## 1. PRODUCT OVERVIEW

The **OZA-C10** is a professional-grade handheld ozone tester that integrates advanced electrochemical sensor technology with a high-performance 32-bit microprocessor. Designed for rapid response and high accuracy, it enables reliable gas concentration detection in diverse industrial and specialized environments. Its compact, ergonomic design and robust data management features make it an ideal tool for environmental safety audits and on-site ozone monitoring.

## 2. KEY FEATURES

- Advanced Processing:** Powered by a 32-bit ultra-low power microprocessor utilizing specialized semiconductor nanoprocess technology.
- High-Definition Visualization:** Features a 2.6-inch IPS color screen with 320x240 resolution for clear data display.
- Integrated Sampling:** Built-in high-suction air pump facilitates effective sampling even in micro-negative pressure environments.
- Dual-Parameter Monitoring:** Simultaneously detects ozone concentration along with real-time temperature and humidity levels.
- Massive Data Storage:** Internal memory stores up to 16,000 data groups; historical records can be reviewed on-screen or exported via USB.
- Flexible Unit Conversion:** Allows instantaneous switching between PPM and mg/m<sup>3</sup> display units.
- Comprehensive Protection:** Integrated safeguards against over-voltage, over-charge, static discharge, and electromagnetic interference.

## 3. TECHNICAL SPECIFICATIONS

Feature	Specification
Detection Principle	Electrochemical Sensor
Measurement Range	0-5 / 10 / 20 / 30 / 50 / 100 / 200 ppm (Optional)
Resolution	0.001 ppm ( $\leq$ 50 ppm) / 0.01 ppm ( $>$ 50 ppm)
Detection Accuracy	$\leq \pm 3\%$ Full Scale
Response Time (T80)	$\leq 60$ s
Linearity Error	$\leq \pm 1\%$
Operating Environment	Temp: -40 to 120°C / Humidity: 0 - 100% RH

Feature	Specification
Operating Pressure	-30 Kpa to 200 Kpa
Power Supply	4000 mAh Lithium-ion Rechargeable Battery
Dimensions (LWH)	165 × 80 × 30 mm
Net Weight	0.5 kg

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## 4. APPLICATIONS

- **Industrial Safety:** Monitoring ozone leakage in chemical processing and manufacturing plants.
- **Environmental Monitoring:** Assessing air quality in sterilized workshops and storage facilities.
- **HVAC & Pipeline:** Detecting gas concentrations within ventilation ducts or pressurized systems.
- **Regulatory Compliance:** Providing documented evidence for occupational health and safety audits.

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## 5. STANDARD ACCESSORIES

- Rugged Carrying Case
- USB Charger & Data Cable
- **Factory Calibration Report**
- User Manual

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