



## Electro Optical Components, Inc.

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*preliminary*

# FaradaIC<sup>®</sup>

## Faraday-Ox<sup>®</sup> Oxygen Sensing Beacon Evaluation Kit

### Applications

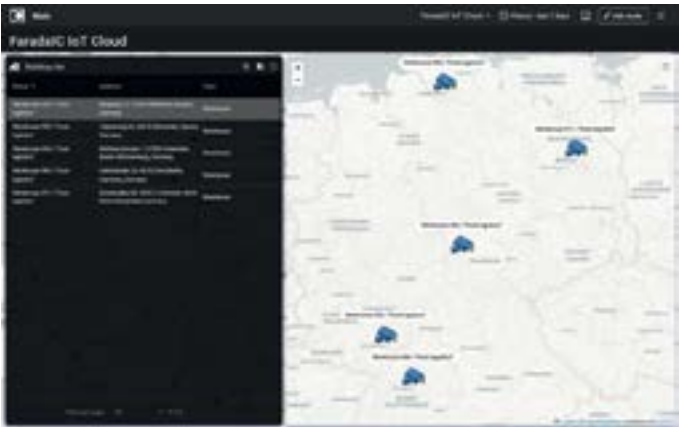
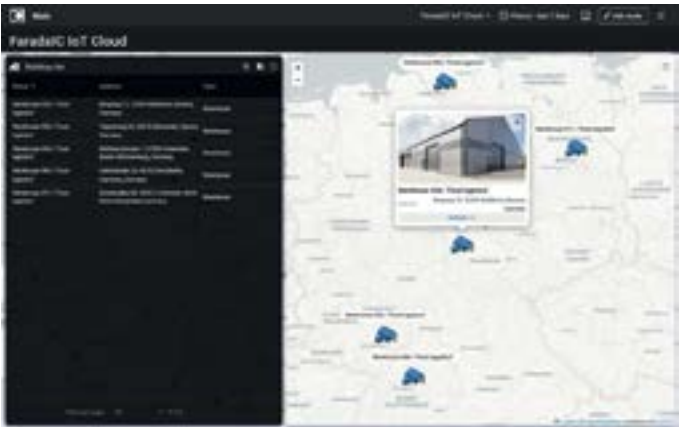
- Smart Packaging (MAP/CAP)
- Food Storage Monitoring
- Transport and Logistics Monitoring
- Quality Control in Logistics
- Smart Building & Facility Integration
- Hermeticity Monitoring
- Industrial Safety
- Environmental Monitoring



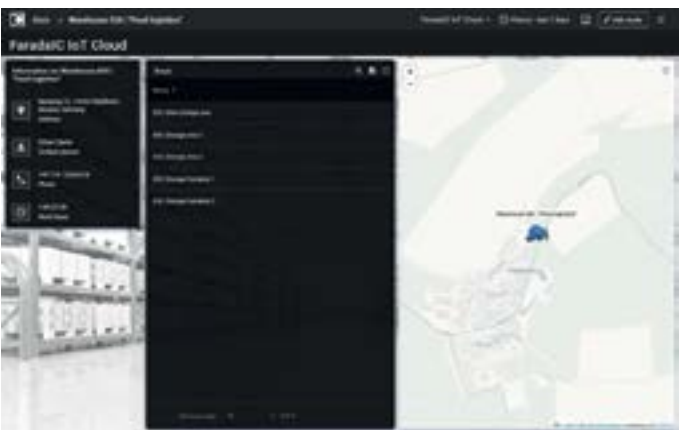
### Features

- Target Gas: Oxygen (O<sub>2</sub>)
- Measurement Range: 0–23.5% O<sub>2</sub>
- Accuracy: ±0.2%
- Resolution: 0.02%
- Additional Integrated Sensors: Humidity & Temperature
- Wireless: Bluetooth<sup>®</sup> BLE 5.4 Long Range (up to 100m)
- Compact and fully self-powered
- Battery Life: Up to 12 months (hourly measurements)
- Small Size: 37 × 37 × 14 mm
- Power Options: Rechargeable battery (USB-C) or CR2450 coin cell
- Microfabricated solid-state sensor (no electrolyte leakage, much more stable)
- Able to transmit periodic oxygen readings like a beacon
- Designed for distributed, low-maintenance sensing across many locations (e.g., logistics, smart buildings, packaging)
- Memory Option: Store measurements internally
- Interaction Button: LED status indication
- Dual Sensor Modules (Optional): Redundancy and extended lifespan

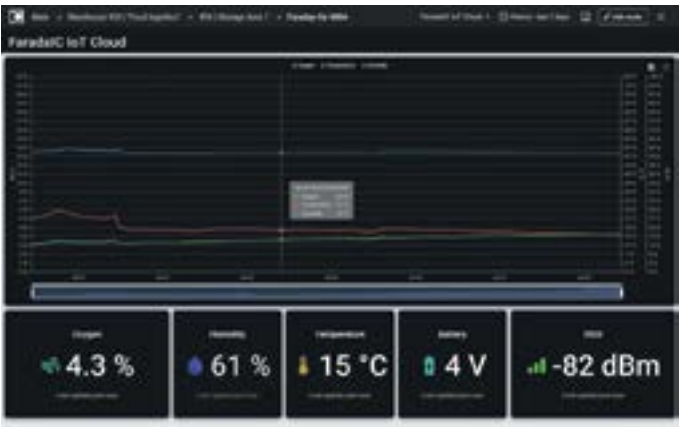
# Sample Screen Shots of FaradaIC Dashboard



Track Worldwide Storage Rooms and Conditions



Zoom into single Warehouse and identify Sensors of Interest



Zoom into single Warehouse and identify Sensors of Interest

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