



Oxygen Safety Sensor

The InstruVU Oxygen Safety Sensor is a specialized wireless device designed to monitor oxygen concentrations in the atmosphere.



It is a critical safety sensor for environments where oxygen depletion or enrichment poses a risk to personnel, such as laboratories, medical facilities, and industrial storage areas.

FEATURES

- High-Precision Oxygen Sensing: Uses an advanced electrochemical sensor to provide real-time monitoring of Oxygen (O2) levels with high stability.
- Safety-First Design: Engineered specifically for personnel protection, allowing facilities to detect dangerous drops in oxygen levels before they become life-threatening.
- Weatherproof Enclosure: Housed in a rugged, IP66/IP67-rated casing that is UV-stabilized, making it suitable for both indoor industrial use and outdoor monitoring.
- Ultra-Long Battery Life: Equipped with a high-capacity 8500mAh battery, optimized for years of continuous operation without maintenance.
- Intelligent Data Logging: Features a built-in datalogging capability that stores timestamped records locally to ensure a complete safety audit trail.
- Wireless Long-Range Connectivity: Transmits data across large facilities to a central monitoring station, maintaining high interference immunity in industrial settings.

SPECIFICATIONS

Features:

Measurement Range:	0% to 25% Vol (O2)
Accuracy:	±0.5% Vol
Resolution:	0.01%
Sensor Type:	Electrochemical
Power Supply:	8500mAh Li-SOCl2 battery
Operating Temperature:	-40°C to +85°C
Configuration:	Bluetooth v5.1 and OTA Updates
Enclosure Rating:	IP66/IP67 Waterproof & Dustproof
Mounting:	Wall or Pole Mounting

APPLICATIONS

Lab



Medical Facilities



Industrial Storage

