![instruVU® — Visibility and Compliance with Confidence.]

# Environmental Safety Sensor

The InstruVU Environmental Safety Sensor is a specialized, 4-in-1 monitoring solution designed to provide critical atmospheric data in both indoor and outdoor settings.

It combines $CO_2$ concentration, temperature, humidity, and barometric pressure sensing into a single, ruggedized unit, making it an essential tool for laboratory safety and smart agriculture.

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Environmental
Safety Sensor

# FEATURES

- 4-in-1 Atmospheric Sensing: Simultaneously monitors carbon dioxide (CO2), temperature, humidity, and barometric pressure for comprehensive environmental awareness.
- Industrial-Grade Durability: Features an IP65-rated (or IP67 depending on variant) weatherproof enclosure that is UV-resistant and built to withstand harsh outdoor conditions.
- Long-Range Efficiency: Utilizes high-efficiency wireless communication to transmit data over long distances while maintaining minimal power consumption.
- Exceptional Battery Life: Equipped with a high-capacity 19,000 mAh battery designed to provide up to 10 years of maintenance-free operation.
- Smart Configuration: Includes NFC technology for rapid mobile setup and supports local data logging to ensure no critical safety readings are lost during network gaps.
- Versatile Deployment: Easily mounts to poles, walls, or DIN rails, allowing for quick installation in labs, greenhouses, or weather stations.

# SPECIFICATIONS

| Features: | |
| --- | --- |
| CO2 Range: | 400 ~ 5000 ppm |
| CO2 Accuracy: | ± (30 ppm + 3% of reading) |
| Temperature Range: | -30°C to +70°C |
| Humidity Range: | 0% to 100% RH |
| Barometric Pressure: | 300 ~ 1100 hPa |
| Pressure Accuracy: | ± 0.6 hPa |
| Power Supply: | 19,000 mAh Li-SOCL2 battery (Replaceable) |
| Ingress Protection: | IP65 / IP67 Weatherproof |
| Configuration: | NFC, Mobile App, and PC Software |
| Data Storage: | Up to 1,000 historical records stored locally |

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## Agriculture

## Factory

## Greenhouse

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