



Wireless VOC Sensor

The InstruVU Wireless VOC Sensor is a sophisticated air quality monitor designed to detect Volatile Organic Compounds (VOCs) and other environmental factors that impact human health and cognitive performance.

It is a vital safety and wellness tool for high-occupancy environments like universities, corporate offices, and research laboratories.



FEATURES

- Total VOC (TVOC) Monitoring: Utilizes high-precision metal-oxide sensing technology to detect a wide range of organic chemicals commonly found in paints, cleaning supplies, and industrial solvents.
- Comprehensive Air Suite: Simultaneously measures VOCs, temperature, and humidity, providing a complete picture of indoor environmental quality (IEQ).
- Health & Productivity Optimized: Helps facilities maintain compliance with wellness standards (such as WELL or LEED) by identifying air stagnation and chemical buildup that causes "Sick Building Syndrome".
- Ultra-Long Maintenance Cycle: Optimized for low power consumption, allowing for years of operation on a single battery set, reducing the overhead for campus-wide deployments.
- Smart Threshold Alerts: Can be configured to send immediate wireless uplinks when VOC levels exceed safety thresholds, enabling automated HVAC integration or manual ventilation.
- Seamless Installation: A wireless, battery-operated design means no conduit or cabling is required, making it ideal for retrofitting existing schools or warehouses.

SPECIFICATIONS

Features:

VOC Detection Range:	0 to 60,000 ppb (parts per billion)
Temperature Range:	-40°C to +85°C
Humidity Range:	0% to 95% RH (Non-condensing)
Measurement Resolution:	1 ppb (VOC), 0.01°C (Temp)
Power Supply:	High-capacity Li-SOCl ₂ battery (Replaceable)
Sampling Interval:	Configurable (e.g., every 5, 10, or 60 minutes)
Enclosure Material:	UV-Stabilized ABS
Mounting:	Wall-mount bracket or desktop placement
Configuration:	Bluetooth v5.1 / Mobile App / PC Software

Education



Corporate Offices



Research

