

SENSIT[®] SPOD

VOC EMISSIONS AND AIR POLLUTANT MONITORING SYSTEM

**DETECT, LOCATE and
CONTINUOUSLY MONITOR**



COMPATIBLE WITH



SENSIT
Technologies

SENSIT[®] SPOD

VOC EMISSIONS AND AIR POLLUTANT MONITORING SYSTEM

A REMOTE AIR QUALITY MONITORING PLATFORM & POLLUTION DATA MANAGEMENT SYSTEM



The **SENSIT[®] SPOD** is a highly advanced and innovative sensor system that is designed to detect VOC emission plumes and help locate the source of emissions. It is a low-cost and eco-friendly solution that uses wind and air pollutant concentration measurements to monitor the environment in real-time.

The system is perfect for applications within the fenceline where localized emissions may be present, and it is user-friendly with a small footprint. The Next Generation Emissions Monitoring (NGEM) sensor offers continuous monitoring and direct-reading reducing the overall cost. With its advanced features and affordability, the **SENSIT[®] SPOD** is a game-changer in the field of air quality monitoring.



SENSIT[®] SPOD offers an optional Ultrasonic Anemometer for wind speed, direction, temperature, humidity, and pressure.



Canister Value Controller

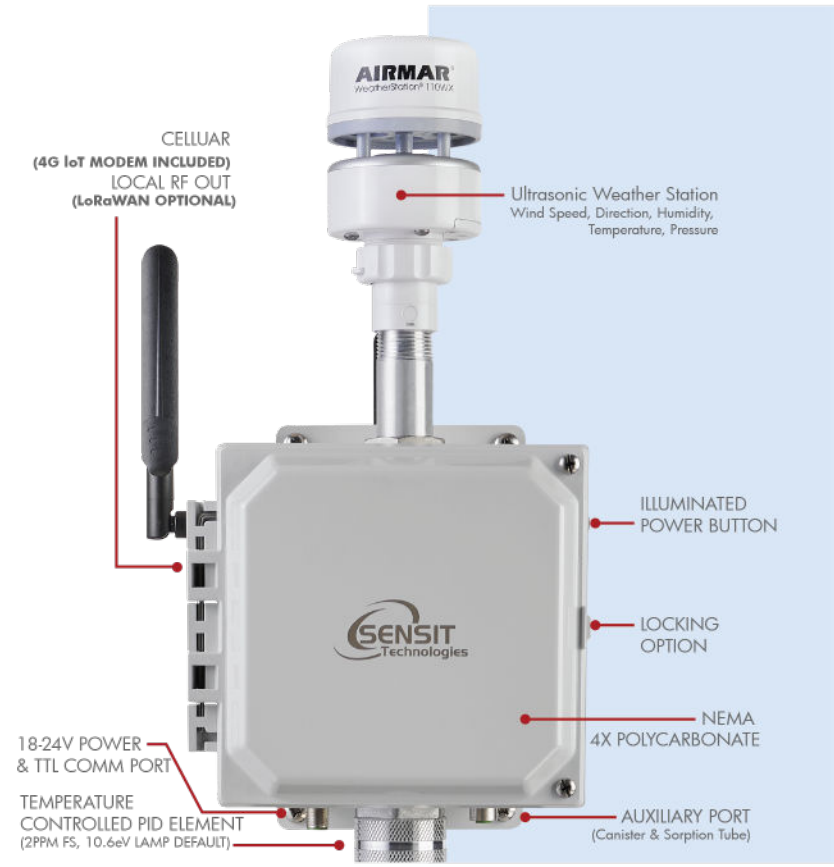
Valve, Pressure (Optional).
Note: Canister Not Included

STANDARD FEATURES

Real-time Continuous Monitoring (Local or Remote)
Modular Wireless Data Transmission
Durable, Weather Resistant Housing
SD Card Data Backup
Integrated Battery (Solar Ready)

APPLICATIONS

Oil and Gas Production	Fugitive and Process Emissions
Municipal Government Services	Hazardous Pollutants/Nuisance Odors
Industrial Health, Safety, & Compliance	Industrial Site Fenceline Emissions Monitoring
Environmental	Ground-level Ozone Precursors
Emergency Response	Spills, Leaks, Explosions



STANDARD KIT

- USB Adapter
- Charging Cable

OPTIONAL HARDWARE:

- Solar Panel
- Tripod
- Ultrasonic Anemometer
- Outdoor Power Supply
- Canister Valve Controller
- Expansion Battery Pack
- Particulate Matter



PRODUCT SPECIFICATIONS

Size: Fully assembled without anemometer or antenna D x W x H (6" x 8" x 16")
Weight: Base unit: 6.5 lbs
Operational Temp: -10°C to 50°C
Mounting: Attached Mounting Flanges
Voltage Requirements: 18V – 24V DC Charging (wired adapter or solar panel)
Current Requirements: 2A Max Current Draw when Charging
Operating Runtime: 2-5 Days Battery Backup
Operating Temp: -20°C to 50°C
Data Outputs: Digital Wired Output (3.3V TTL - USB) Wireless (4G IoT Cellular Included) Optional Analytics on Server SD Card Data Backup

SENSOR SPECIFICATIONS

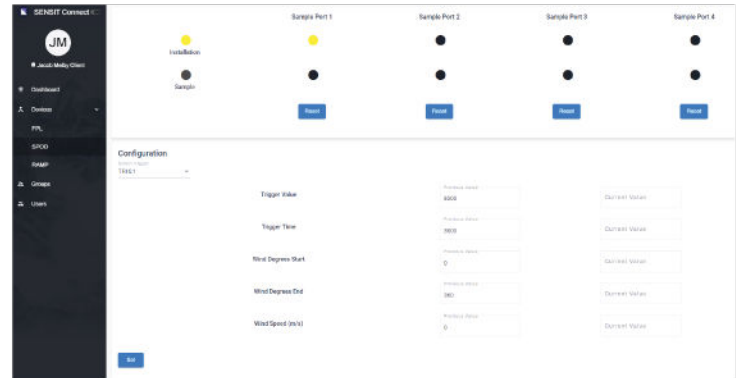
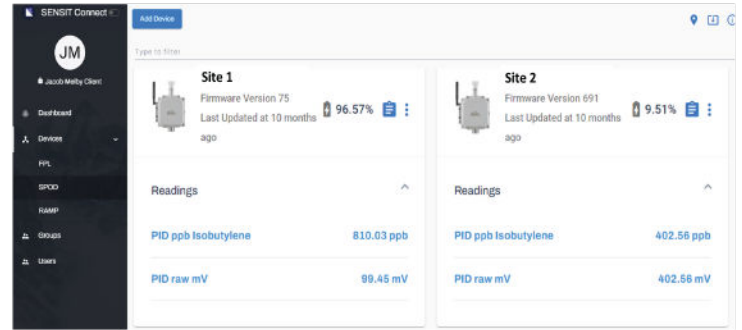
SENSORS	DETECTION METHOD	LAMP ENERGY (eV)	RANGE (STANDARD)	ACCURACY (STANDARD)	RESPONSE TIME (STANDARD)
ION - HS	PID	10.6	10 - 3000 ppb*	±20 ppb min or 20%	30-60 sec
ION - XF	PID	10.6	0.1 - 30 ppm*	±0.2 ppm min or 20%	30-60 sec
ION - 10.0	PID	10	0.5 - 100 ppm*	±1 ppm min or 20%	30-60 sec
ION - 11.7	PID	11.7**	1-1000 ppm*	±5 ppm min or 50%	30-60 sec
MOS	Metal Oxide	-	Variable	-	15-30 sec
CO	Electrochemical	-	100-2000 ppm	±5 ppm min or 50%	60-90 sec
PM2.5	Laser Scattering	-	1-1000 µg/m3	±10 µg min or 50%	15-30 sec

* Range defined as PPB Isobutylene | ** Reduced lifetime for high energy lamp (~3 month)



is a web-based application portal for viewing and managing SENSIT Environmental Monitors.

This portal allows remote access to: real-time and archived data, data visualization tools, sensor health and settings, device location and tracking information, notification options and parameters, and can assist with leak location identification and quantification estimates.



SENSIT® SPOD Accessories & Replacement Parts	
SPOD (ION XF - PID) without Anemometer	Part # 937-00000-01
SPOD (ION XF - PID) with Anemometer	Part # 937-00000-51
(ION HS - PID) without Anemometer	Part # 937-00000-02
SPOD (ION HS - PID) with Anemometer	Part # 937-00000-52
Domestic Cellular Activation	Part # 500-SPOD0-01
Domestic Web Access Activation	Part # 500-SPOD0-10
Solar Panel	Part # 870-00113
Tripod	Part # 870-00132
USB Adapter	Part # 870-00116
Canister Valve Controller	Part # 870-00118
Latching Stainless Valve	Part # 870-00119
Canister Pressure Assembly	Part # 882-00172
Charging Cable	Part # 871-00071
PM2.5 and Canister Module	Part # 882-00175

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WITH GLOBALLY SOURCED COMPONENTS

SENSIT Technologies
is an ISO 9001:2015 certified company.

