



## VAPOR MITIGATION SYSTEM | Telemetry Panels



### BENEFITS/FEATURES

- Integrated telemetry for vapor mitigation systems delivering real-time monitoring and alert notifications for continuous protection.
- Remote access to commissioning data uses non-intrusive data acquisition methods to minimize site visits and reduce the need for direct access to buildings or units, enhancing efficiency and preserving occupant privacy.
- Facilitates long-term monitoring to support owner and operator compliance with due care obligations and successful completion of ongoing OM&M requirements.

### APPLICATIONS

- Active Vapor Mitigation Systems
- Passive Vapor Mitigation Systems
- New Construction
- Existing Buildings
- ERVs
- VOCs, Methane, and Radon

### DESCRIPTION

AMB Vapor Monitoring designs UL 508A listed telemetry panels engineered to streamline and enhance both the commissioning and ongoing monitoring of vapor mitigation systems. The integrated telemetry system automatically collects continuous differential pressure data from sub-slab and vent riser locations using AMB Pressure Test Ports for precise and accurate readings. Optional CFM sensors provide additional airflow analytics, supporting deeper insight into the performance of both active and passive systems. Each unit connects to a secure, cloud-based dashboard that offers immediate access to one year of telemetry data, along with features for report downloads and manual system control. Each telemetry system includes one full year of monitoring services from the shipment date. After the initial term, continued monitoring is available through a subscription-based plan

### SPECIFICATOINS

<b>Enclosure Rating</b>	Type 1
<b>UL Rating</b>	508A
<b>UL Number</b>	E538636
<b>Supply Power Source</b>	120VAC (three prong receptacle)
<b>Max Supply Voltage</b>	128VAC
<b>Phase</b>	1
<b>Hz</b>	60
<b>Max Circuit Protector</b>	15 amps
<b>SCCR</b>	10kA @ 120 V
<b>Data Storage</b>	1 Year
<b>Connectivity</b>	Cellular
<b>Alert Notification</b>	Email & Cellular via App
<b>Alert Value</b>	Customizable
<b>Length of Monitoring Included</b>	1 year from ship date
<b>Panel Dimensions</b>	24" x 20" x 6"

<b>Panel Tubing Connection Size</b>	¼" OD push to connect (can be customized on request)
<b>Below Slab Pressure Test Port Connection Size</b>	¼" OD push to connect & ½" SCH 40 PVC
<b>Vent Riser Pressure Test Port Connection Size</b>	¼" OD push to connect & ½" SCH 40 PVC
<b>Above Slab Pressure Test Port Connection Size</b>	¼" OD push to connect & ½" EMT Conduit
<b>CFM Sensor Connection to Vent Riser Size</b>	2" Sch 40 PVC
<b>Differential Pressure Sensor</b>	Dwyer Series MSX Pro Magnesense
<b>Differential Pressure Sensor Output</b>	Inches of water column
<b>Differential Pressure Sensor Options</b>	Bidirectional 0.5, 1, 5, 15, 28
<b>Differential Pressure Sensor Accuracy</b>	±0.5% FSO (Full Scale Output)
<b>High Velocity CFM Sensor (For Active Systems)</b>	Dwyer Series AVUL
<b>Low Velocity CFM Sensor (For Passive Systems)</b>	Dwyer Series AVLV
<b>CFM Sensor Type</b>	Hotwire
<b>Explosion Proof Differential Pressure Sensor</b>	A.Yite GE-923-EX
<b>Explosion Proof CFM Sensor</b>	A.Yite GE-374-EX
<b>Explosion Proof CFM Sensor Type</b>	Pitot Tube
<b>Vent Riser Methane Sensor</b>	RKI M2A-XL MPS LEL Detector
<b>Indoor Air Methane Sensor</b>	Infrasensing R-Gas-Flammable
<b>CFM/Methane Sensor Power Wire Size (from Telemetry Panel to Sensor)</b>	16 AWG plenum rated non-shielded 2 wire Recommended Carol Brand Model # E3042S.30.86
<b>CFM/Methane Sensor Communication Wire Size (from Telemetry Panel to Sensor)</b>	18 AWG plenum rated shielded 2 wire Recommended Carol Brand Model # E2202S.41.86
<b>¼" Tubing from Telemetry Panel to Pressure Test Port</b>	Recommended Chevron Tubing Model # 1063776

## ADD ON FEATURES

- **Multiple Differential Pressure Sensors:** Supports both high-range and low-range measurements for enhanced system accuracy.
- **Integrated CFM Sensors:** Enables precise flow monitoring across individual vent risers for optimal data collection in both active and passive vapor mitigation systems.
- **Independent Vent Riser Fan Control:** Allows for on/off management of each vent riser fan.
- **Tailored Configurations Available:** Fully customizable to align with unique client specifications and application requirements.

## MODELS

- AMB-01 (One Mini Communication Box)
- AMB-02 (One Mini Communication Box)
- AMB-07 (One Communication Box)
- AMB-14 (One Communication Box One Port Box)
- AMB-21 (One Communication Box One Port Box)
- AMB-28 (One Communication Box One Port Box)
- AMB-35 (One Communication Box One Port Box)
- AMB-42 (One Communication Box Two Port Boxes)
- AMB-49 (One Communication Box Two Port Boxes)
- AMB-56 (One Communication Box Two Port Boxes)
- AMB-67 (One Communication Box Two Port Boxes)
- AMB-70 (One Communication Box Two Port Boxes)
- **Telemetry System Standard Configuration:** Each system includes one differential pressure sensor and supports up to the designated model number of pressure test locations. Built-in audible and visual alarm indicators are standard on the active mitigation systems. Additional configurations and capabilities are available – refer to the Add-on Features section for customization options.

**CONTACT US TODAY!**

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