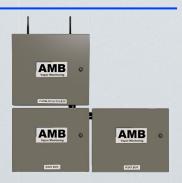# VAPOR MITIGATION SYSTEM | Telemetry Panels

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
- 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 daily 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

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

Panel Tubing Connection Size	¼" OD push to connect (can be customized on request)
Below Slab Pressure Test Port Connection Size	¼" OD push to connect & ½" SCH 40 PVC
Vent Riser Pressure Test Port Connection Size	¼" OD push to connect & ½" SCH 40 PVC
Above Slab Pressure Test Port Connection Size	¼" OD push to connect & ½" EMT Conduit
CFM Sensor Connection to Vent Riser Size	2" Sch 40 PVC
Differential Pressure Sensor	Dwyer Series MSX Pro Magnesense
Differential Pressure Sensor Output	Inches of water column
Differential Pressure Sensor Options	Bidirectional 0.5, 1, 5, 15, 28
Differential Pressure Sensor Accuracy	$\pm$0.5% FSO (Full Scale Output)
High Velocity CFM Sensor (For Active Systems)	Dwyer Series AVUL
Low Velocity CFM Sensor (For Passive Systems)	Dwyer Series AVLV
CFM Sensor Power Wire Size (from Telemetry Panel to CFM Sensor)	16 AWG plenum rated non-shielded 2 wire
CFM Sensor Communication Wire Size (from Telemetry Panel to CFM Sensor)	18 AWG plenum rated shielded 2 wire

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-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-63 (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. Additional configurations and capabilities are available—refer to the Add-On Features section for customization options.

CONTACT US TODAY!

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