

Toxic Gas / Environmental Monitoring Unit

Maximum Protection Against Toxic Gases

Key Features

- 24x7 monitoring of common environmental and industrial gases
- Highly sensitive and fast response time
- Direct access over the Web via Ethernet
- Six (6) Plug and Play Sensor Slots
- Monitoring Software included
- Room or ventilation duct mounting
- Battery backup for uninterrupted operation



Overview

The Environmental Monitoring Unit (EMU) is used as an early-warning system to detect hostile or hazardous gas levels. Alarms will be activated when the level of certain gas exceeds the preset thresholds. Users can monitor the detection levels over the web anytime, anywhere. The EMU is web-enabled and IP Addressable.

The EMU is designed to be a versatile system and can be easily deployed all over the world. In a hazardous environment, it is crucial to have real-time environmental data to prevent disaster and life loss. The EMU can be an essential tool to provide environmental monitoring for homeland security purposes. Additionally, the EMU can be deployed permanently in various locations as an industrial safety device.

This product is developed under contract with the U.S. Government as a monitoring system to prevent catastrophic incidents and assist personnel in hazardous situations. The Environmental Monitoring Unit is a patented design with the U.S. Office of Trademarks & Patents.

Sample Application Areas

- Environmental Monitoring
- Building Safety & Security
- Public Gathering Areas
- HVAC Systems
- Hazard Control & Recovery
- Toxic Gas Monitoring
- First Responders
- Sensitive Inventory Environment

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Sensor Options



Decontamination gases

- Hydrogen Peroxide Vapor
- Chlorine dioxide/chlorine
- Methyl bromide
- Ozone
- Ethylene dioxide

Toxic gas sensors

- Hydrogen cyanide
- Arsine
- Phosphine
- Phosgene

Industrial gases

- VOC (e.g. acetone, benzene)
- Combustible gases (e.g. methane)
- Carbon monoxide
- Oxygen
- Sulfur dioxide
- NOx (Nitric oxide, Nitrogen dioxide)

HVAC/Environmental

- Carbon dioxide
- Humidity /Temperature
- Smoke
- Air Flow

Specifications

| | |
|----------------|--|
| Dimensions | 11" x 8" x 9" |
| Weight | 8 lbs |
| Sensor Slots | 6 Plug and Play Sensors |
| Interface | 10/100 Mbps Network, 433 MHz Wireless |
| Protocol | HTTP, TCP/IP, UDP, Proprietary (Wireless), SNAP (Wireless) |
| Power Supply | 110VAC – 240VAC 50/60Hz input, 15VDC @ 2.5A output |
| Battery Supply | Internal rechargeable pack |