

## Model 128™ Fixed Gas Monitoring System

Wall mounted, local area monitor for one to eight sensors

### Overview

The Model 128 is a wall mounted gas monitor designed for reliable gas detection, easy installation and low total cost of ownership. The Model 128 is a cost-effective solution for warning of unsafe gas levels in areas such as semiconductor manufacturing, wastewater treatment, garages, warehouses, toll booths, gas bunkers, utilities and telecom industries.

The Model 128 accepts from one to eight combustible, oxygen, and/or toxic sensors. Each sensor provides a digitized output, allowing easy and economical networking of multiple sensors.

### Features

- Accepts from one to eight remote sensors
- Unique built-in calibration reminder
- Auto-Install feature simplifies set-up
- Easy plug in electrochemical sensor replacement
- Reduces installation cost through digital communication
- Sensors can be factory-configured or configured in the field
- 19 different sensors available
- Super bright LED array provides quick indication of normal, fault and alarm conditions
- One-person calibration for all sensors
- Loud audible alarm (98 dB)
- Combustible gas sensors are mounted in an explosion proof housing
- Non-intrusive calibration for combustible sensor
- Outstanding protection from EMI / RF interference
- Common programmable internal relays for Low, High and Fail alarms
- Housed in a weather-tight fiberglass enclosure
- Intrinsically safe oxygen and toxic gas sensors available
- Easy to follow instructions on an internal LCD for calibration, alarm setting, concentration values and programming
- RS-232 serial output - available on terminal strip
- User configurable alarms



## Model 128 Product Specifications

Sensors	Toxic/O2: Intrinsically safe for Class I Groups A, B, C & D area (optional)
Area Classification	General Purpose (controller)
Combustible	Explosion proof, suitable for Class I, Groups B, C & D hazardous
Inputs	One to eight remote sensors
Current Consumption	0.2 A protected by a 0.5 A fuse

### Environmental

Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	0 to 95% RH, non-condensing

### User Interface

Low Alarms	User programmable, latching or non-latching, energized or de-energized and alarm delay
High Alarms	User programmable, energized or de-energized and alarm delay
Audible Alarm	98 dB @ 1ft. (30cm)
Display	Internally mounted 16 x 2 character backlight LCD
Programming	Five buttons: Run, Enter, Up, Down, Reset
Data Logging Output	RS-232 Serial Communication
Internal Relays	Common Low, High and Fault alarms, form C contracts rated at 5 Amps/250 Vac

### Power

Input Power	100/130 Vac 50/60 Hz, 200/260 Vac 50/60 Hz (optional)
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### Construction

Dimensions	10" (L) x 8" (W) x 6" (H) 254mm (L) x 203mm (W) x 152mm (H)
Weight	8 lbs. (3.6 kg)
Case Materials	NEMA 4X fiberglass polyester

### Calibration

Time Out	User adjustable from OFF to 100 minutes
Reminder	User adjustable from OFF to 180 days

### Approvals

CSA Approved and NRTL Classification

### Warranty

One year (materials and workmanship)

Gas	Formula	Standard Range
Ammonia	NH <sub>3</sub>	0 to 100 ppm in 1 ppm increments
Arsine	AsH <sub>3</sub>	0 to 1.00 ppm in 1 ppm increments
Carbon Monoxide	CO	0 to 500 ppm in 1 ppm increments
Chlorine	Cl <sub>2</sub>	0 to 10.0 ppm in 0.1 ppm increments
Chlorine Dioxide	ClO <sub>2</sub>	0 to 2.00 ppm in 0.01 ppm increments
Combustible	several	0 to 100% LEL in 1% LEL
Diborane	B <sub>2</sub> H <sub>6</sub>	0 to 1.00 ppm in 0.01 ppm increments
Fluorine	F <sub>2</sub>	0 to 10.0 ppm in 0.1 ppm increments
Hydrogen Chloride	HCl	0 to 30.0 ppm in 0.1 ppm increments
Hydrogen Cyanide	HCN	0 to 50.0 ppm in 0.1 ppm increments
Hydrogen Fluoride	HF	0 to 10.0 ppm in 0.1 ppm increments
Hydrogen Sulfide	H <sub>2</sub> S	0 to 100 ppm in 1 ppm increments
Nitric Oxide	NO	0 to 20.0 ppm in 0.1 ppm increments
Nitrogen Dioxide	NO <sub>2</sub>	0 to 100 ppm in 1 ppm increments
Oxygen	O <sub>2</sub>	0 to 30.0% Vol. in 0.1% increments
Ozone	O <sub>3</sub>	0 to 1.0 ppm in 0.1 ppm increments
Phosphine	PH <sub>3</sub>	0 to 1.0 ppm in 0.1 ppm increments
Silane	SiH <sub>4</sub>	0 to 50.0 ppm in 0.1 ppm increments
Sulfur Dioxide	SO <sub>2</sub>	0 to 10.0 ppm in 0.1 ppm increments

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