

## Fixed Gas Monitoring System, Model 128™

Wall-mounted, local area monitor for one to eight sensors



### Key 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
- Housed in a weather-tight fiberglass enclosure

The Thermo Scientific Fixed Gas Monitoring System, 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.

Other Features include:

- 19 available sensors that can be factory-configured or configured in the field
- Super bright LED array provides quick indication of normal, fault and alarm conditions
- One-person calibration
- 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
- Intrinsically safe oxygen and toxic gas sensors available
- Easy to follow instructions for calibration, alarm setting, concentration values and programming
- User configurable alarms

# Fixed Gas Monitoring System, Model 128™

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific air quality products.

## Product Specifications

<b>Sensors</b>	Toxic / O <sub>2</sub> : Intrinsically safe for Class I Groups A, B, C & D area (optional)
<b>Area Classification</b>	General Purpose (controller)
<b>Combustible</b>	Explosion proof, suitable for Class I, Groups B, C & D hazardous
<b>Inputs</b>	One to eight remote sensors
<b>Current Consumption</b>	0.2 A protected by a 0.5 A fuse
<b>Operating Temperature</b>	-4°F to 122°F (-20°C to 50°C)
<b>Humidity</b>	0 to 95% RH, non-condensing
<b>User Interface</b>	
<b>Low Alarms</b>	User programmable, latching or non-latching, energized or de-energized and alarm delay
<b>High Alarms</b>	User programmable, energized or de-energized and alarm delay
<b>Audible Alarm</b>	98 dB @ 1ft. (30cm)
<b>Display</b>	Internally mounted 16 x 2 character backlight LCD
<b>Programming</b>	Five buttons: Run, Enter, Up, Down, Reset
<b>Internal Relays</b>	Common Low, High and Fault alarms, form C contacts rated at 5 Amps/250 VAC
<b>Input Power</b>	100/130 VAC 50/60 Hz, 200/260 VAC 50/60 Hz (optional)
<b>Construction</b>	
<b>Dimensions</b>	10" (L) x 8" (W) x 6" (H) 254mm (L) x 203mm (W) x 152mm (H)
<b>Weight</b>	8 lbs. (3.6 kg)
<b>Case Materials</b>	NEMA 4X fiberglass polyester
<b>Calibration</b>	
<b>Time Out</b>	User adjustable from OFF to 100 minutes
<b>Reminder</b>	User adjustable from OFF to 180 days
<b>Approvals</b>	CSA Approved and NRTL Classification
<b>Warranty</b>	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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This product is manufactured in a plant whose quality management system is ISO 9001 certified.

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