



- Institutional, commercial and light industrial monitoring
- Monitor any one of nine gases
- Simple installation using 12-24 VDC operation, or an optional AC power adapter that plugs into any standard 120 VAC wall outlet (North American plug).
- Bright display constantly shows gas concentrations
- Single button calibration, alarm muting and zero functions
- Visual alarm to alert of potential gas hazards (audio optional)
- ModBus digital output (4-20 mA output optional) for interfacing with control devices
- Optional dual-alarm relays can turn on fans and warning sirens, or shut-down a process.

### SPECIFICATIONS

**Case:**

NEMA 4 type, General purpose indoor use. Electroplated for RFI protection.

**Dimensions:**

18.29 cm x 14.22 cm x 4.06 cm (7.2" x 5.6" x 1.6" )

**Weight:**

454 g (16 oz)

**Sensor Type:**

Electrochemical

**Measuring Ranges:**

Carbon Monoxide, Hydrogen Sulfide – 0 to 999 ppm in 1 ppm increments  
 Nitric Oxide – 0 to 999 ppm in 1 ppm increments  
 Ammonia – 0 to 200 ppm in 1 ppm increments  
 Oxygen – 0 to 30% by volume in 0.1% increments  
 Sulfur Dioxide, Nitrogen Dioxide – 0.2 to 99.9 ppm in 0.1 ppm increments  
 Chlorine – 0.2 to 50 ppm in 0.1 ppm increments  
 Hydrogen Chloride – 0.2 to 30 ppm in 0.1 ppm increments

**Power Source (Run Time):**

12-24 VDC (110 AC adapter optional with North American plug)

**Temperature Ranges:**

-20°C to 50°C (-4°F to 122°F ) typical, consult factory for gas specific temperature ranges

**Humidity Range:**

Oxygen – 0-99%  
 Ammonia, Carbon Monoxide, Hydrogen Sulfide, Nitrogen Dioxide, Sulfur Dioxide – 15-90%

**Approvals:**

CSA – C.22.2 No. 205-M 1983 (non-hazardous locations); CE (pending)

**Warranty:**

One year, including sensor

Industry proven performance combined with a low-profile design make the Industrial Scientific AirAware™ a logical choice for those areas that require continuous monitoring but not the environmental protection of an explosion-proof enclosure. Providing discrete monitoring and enhanced aesthetics for more commercial or institutional settings, the AirAware Series is the ideal solution for reliable, low-cost fixed-point monitoring.

The AirAware can be configured to operate as a monitor with local LED display, a controller with onboard relay switching capability, a transmitter with 4-20 mA or ModBus RTU outputs, or as a transmitter with on-board relays. Each configuration is designed to meet your specific indoor monitoring needs.

Every AirAware is equipped with electrochemical sensing technology, dual alarm LEDs, push-button operation and a NEMA 4 type enclosure.

Configure your AirAware to match your needs, adding options such as a vanity plate to hide the display. The AirAware is covered by a one-year warranty and carries CSA approval for non-hazardous locations.

AirAware™ has numerous sensor and equipment configurations that allow you to customize the monitor to meet your specific needs. The following matrix will help you to select the options with a single part number. For example, a part number of **68100056-11211** would be an AirAware carbon monoxide monitor with an on-board audible alarm, a 4-20mA output with no on-board relay contacts, an AC power adapter installed and a vanity/faceplate cover.

BASE PART NUMBER: 68100056-ABCDE

#### A-GAS TYPE

- 1 - Carbon Monoxide (CO)
- 2 - Nitric Oxide (NO)
- 3 - Ammonia (NH<sub>3</sub>)
- 4 - Hydrogen Sulfide (H<sub>2</sub>S)
- 5 - Sulfur Dioxide (SO<sub>2</sub>)
- 6 - Nitrogen Dioxide (NO<sub>2</sub>)
- 7 - Chlorine (Cl<sub>2</sub>)
- A - Oxygen (O<sub>2</sub>)
- F - Hydrogen Chloride (HCl)

#### B-ON-BOARD ALARM

- 0 - No audio alarm
- 1 - On-board audio alarm

#### C-OUTPUT OPTION

- 0 - None
- 1 - On-board relays (Control)
- 2 - 4-20mA output (Transmit)
- 3 - 4-20mA output and relays (Control/Transmit)

#### D-POWER OPTION

- 0 - No adapter
- 1 - AC Power Adapter (Installed)

#### E-VANITY PLATE (FACEPLATE COVER) OPTION

- 0 - None
- 1 - Vanity Plate

\*Note: AC Adapter is 110 VAC to 24 VDC, N. American plug.

PART NUMBER	DESCRIPTION
<b>COMMON CONFIGURATIONS</b>	
68100056-11010	CO Monitor w/Power Supply, Audio Alarm
68100056-11100	CO Control w/Audio Alarm
68100056-11300	CO Control/Transmit w/Audio Alarm
68100056-31010	NH <sub>3</sub> Monitor w/Power Supply, Audio Alarm
68100056-31100	NH <sub>3</sub> Control w/Audio Alarm
68100056-31300	NH <sub>3</sub> Control/Transmit w/Audio Alarm
68100056-71010	Cl <sub>2</sub> Monitor w/Power Supply, Audio Alarm
68100056-71100	Cl <sub>2</sub> Control w/Audio Alarm
68100056-71300	Cl <sub>2</sub> Control/Transmit w/Audio Alarm
68100056-A1010	O <sub>2</sub> Monitor w/Power Supply, Audio Alarm
68100056-A1100	O <sub>2</sub> Control w/Audio Alarm
68100056-A1300	O <sub>2</sub> Control/Transmit w/Audio Alarm
<b>REPLACEMENT SENSORS</b>	
17071093	Ammonia Sensor
17051638	Carbon Monoxide Sensor
17077330	Chlorine Sensor
17066374	Hydrogen Chloride Sensor
17033960	Hydrogen Sulfide Sensor
17071242	Nitric Oxide Sensor
17060591	Nitrogen Dioxide Sensor
17050129	Oxygen Sensor
17060575	Sulfur Dioxide Sensor
<b>ACCESSORIES</b>	
67001198	Optional Vanity Cover
67000604	Calibration Adaptor Assembly (includes cal adaptor, tubing and reducer)
67000596	Calibration Adaptor for AirAware (adaptor only)
67000265	120 VAC/24 VDC, Power Adapter
17099391	Nylon Strain Relief for 67000265 Power Supply



[www.oldhamgas.com](http://www.oldhamgas.com)



#### AMERICAS

Phone: +1-412-788-4353  
 Fax: +1-412-788-8353  
[info@indsci.com](mailto:info@indsci.com)

#### ASIA PACIFIC

Phone: +65-6561-7377  
 Fax: +65-6561-7787  
[info@ap.indsci.com](mailto:info@ap.indsci.com)

#### EUROPE

Phone: +33-3-21-60-80-80  
 Fax: +33-3-21-60-80-00  
[info@eu.indsci.com](mailto:info@eu.indsci.com)