

# Monitor/Controller

## SM-70 Monitor/Controller with Display

The SM 70 monitor/controller (with display) is designed for basic gas monitoring where simple control outputs (0-5V & a relay) are required.



### Features

- Range: Multiple ranges
- Display: LED
- Alarm: Yes
- Outputs: Analog, Digital, and Relay
- Indoor/outdoor: Indoor

Product ID: **SM-70**  
 Lead Time: **4 weeks**  
 Price: **\$595.00**

### SM-70 Models

The SM-70 can be purchased as one of three different models, each with a different range. Choose the model with the range and resolution to fit your application.

Model	Range	Resolution	Price	*
SM-70UL	0.005-0.150 PPM	0.001 PPM	Online Pricing	Buy Online!
SM-70L	0.008-0.500 PPM	0.001 PPM	Online Pricing	Buy Online!
SM-70G	0.20-10.00 PPM	0.01 PPM	Online Pricing	Buy Online!

### 220V Power Option

220V/50Hz Power Option necessary for overseas use.

Item	Price	*
220V/50Hz Power Option	Online Pricing	Buy Online!

### Specifications

#### [b]Range[/b]

Ultra-Low Concentration 0.005-0.150 ppm

Low Concentration 0.008-0.500 ppm

High Concentration 0.20-10.00 ppm

#### [b]Accuracy[/b]

Ultra-Low Concentration +/- 0.02 ppm to 0.1 ppm; +/- 20% above 0.1 ppm

Low Concentration 20%

High Concentration 20%

#### [b]Resolution[/b]

Ultra-Low and Low Concentration 0.001 ppm

High Concentration 0.01 ppm

Sensor type GSS

Alarm Set point is user-adjustable.

Outputs 0-5V, RS-232, relay with max output of 5A

Temperature range -40 to 122 F (-40 to 50 C)

Humidity range 0-95% (non-condensing)

Power requirements 12 VDC, 800 mA plug-in AC power adapter

Weight 285 g; 10 oz (excludes AC power adapter)

Supporting documents User manual and NIST Traceable Calibration Sheet included

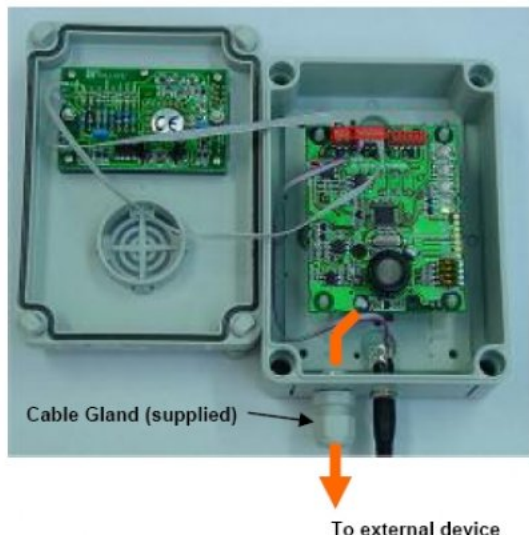
Warranty: 1 yr (SM-70 Sensor) / 6 months (Sensor)

Dimensions: 100mm (H) x 100mm (W) x 50mm (D) | Weight: 285g (10.1oz) | Power: 12VDC, 800mA

## External Wiring on SM-70

### External Wiring through the Cable Gland

The SM70 enclosure is pre-drilled and fitted with a plastic plug. When fitting the supplied cable gland, remove the plastic plug and screw in the cable gland into the same hole as shown below.



External Wiring Diagram for SM-70

## External Relay Connections

### Connecting to the Relay

Open up the SM70 enclosure and remove the PC board as detailed on page 11. Turn over the PC board so that the underside is visible as shown below.



Normally Closed Contacts

Normally Open Contacts

External Relay Connections inside SM-70.

## SM-70 Video

For more information on the SM-70 watch this video.

## SM-70 hanging on a wall



The SM-70 is easy to hang on a wall to monitor the ozone levels in a room. The wall mount pieces are included.

## **Alert Noise**

The SM-70 make an alert noise when the levels of ozone are too high.