

MODEL 900

---

## AIR QUALITY CONTROLLER

---

# Combustible Gas & Oxygen Depletion

$H_2S$     $CO$     $CL_2$     $SO_2$



Model 900 Rack Mount

- Non Intrusive Calibration
- Fail Safe Operation
- Adjustable Alarm Levels
- Simple One Person Calibration
- Minimum Manintenance Required
- Programmable For Several Gases

### Description & Principle of Operation

The Model 900, is a microprocessor based control modular designed for ambient air gas detection. The single channel modular design allows the flexibility to configure in any combination of multiple gases. Up to twelve modules can be installed on a standard 19 inch NEMA 1 type rack. The module features a two digit LED display, three alarm relays and a malfunction alarm relay contact. The alarms are Low, High, and High-High and are adjustable. The alarm relays are also programmable for Normally Open or Normally Close contact and Latching or Non-Latching jumper selection. This monitor provides the first truly automatic calibration feature. The monitor automatically calibrates itself when the operator introduces a standard gas to the sensor. The front panel LEDs are provided for visual alarm or malfunction conductions. A toggle switch on the front panel can be used to reset the alarms or bypass the alarm relays during sensor calibration. A membrane type calibration switch on the front panel provides the feature to remotely calibrate a sensor providing capability of intrinsically safe calibration for virtually any type of sensor. An onboard non volatile memory is used to store the calibration data for the sensor currently being utilized.



Analytical Systems Int'l/KECO R&D

(281) 516-3950 \* FAX (281) 351-8925 \* [www.ASIWebPage.com](http://www.ASIWebPage.com) \* [CustomerService@ASIWebPage.com](mailto:CustomerService@ASIWebPage.com)  
[Sales@ASIWebPage.com](mailto:Sales@ASIWebPage.com)

## Model 900M Specifications

---

Range:	<b>H<sub>2</sub>S: 0 to 99 ppm (parts per million) Combustable LEL: 0 to 99% (Range Varies for other gases)</b>
Mounting:	<b>Rack mount Up to 12 modules in a standard 19” NEMA 1 type rack</b>
Temperature Range:	<b>-40°F to 170°F</b>
Repeatability:	<b>+ 1% of full scale</b>
Relay Ratings:	<b>4 programmable Normally Open or Normally Closed contacts 1 amp @ 125 VAC 2 amp @ 30 VDC</b>
Analog Output:	<b>4-20 mA DC</b>
Display:	<b>Bright two digit LED display LED indicators for visual alarms &amp; malfunctions status</b>
Supply Voltage:	<b>12-18 VDC</b>
Power Consumption:	<b>55 mA at 12 VDC nominal (No active alarms) 260 mA at 12 VDC (All alarm relays active)</b>
Warranty:	<b>1 years on electronics &amp; workmanship Optional Extended Warranty Available</b>