



# SENTRY

## GAS MONITORING SYSTEM

## ACCESSORIES

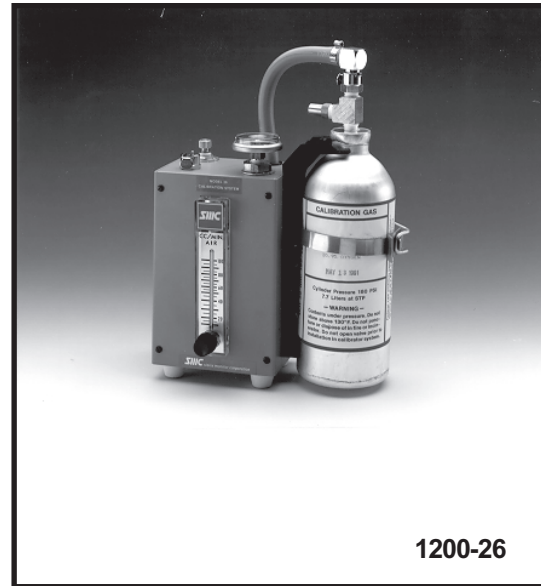
The Sentry Gas Risk Management System has a variety of calibration and sensor options to insure accurate and reliable monitoring of hazardous gases.

A variety of accessories insure that Sentry systems are providing accurate and reliable monitoring of hazardous gas conditions. These options aid in providing a system designed to meet the specific needs of the user.

### CALIBRATORS

#### **1250-00 Calibration Gas Delivery System (High Capacity)**

The 1250-00 Calibrator Kit is used to deliver calibration gas for combustible gases and a wide variety of toxic gases including Hydrogen Sulfide, Chlorine, Sulfur Dioxide, Nitric Oxide, Nitrogen Dioxide and others. The 1250 Calibrator Kit consists of a regulator, calibration adapter, carrying case and tubing. The calibration gas cylinders (Series 1260) are sold separately. The 1260 series gas cylinders are large capacity enabling the user to perform many calibrations with a single cylinder.



#### **1200-26 Calibration Gas Delivery System (Low Capacity)**

The Model 1200-26 Calibration Gas Delivery System provides calibration gas for Combustible Gas, Carbon Monoxide, or Hydrogen. This system consists of a disposable pressure vessel (2 cylinders supplied with each system) containing calibration gas and a non-disposable pressure and flow regulation system. Gas flow is controlled in two steps with a regulator and flow meter to conserve gas and to avoid cooling the sensor below its operating temperature.

The 1200-26 and the Methane calibration gas cylinders are approved for calibration of Factory Mutual Research Corporation (FMRC) approved 5100-02 Sierra Monitor Combustible Gas Sensors.

#### **9210-00 Permeation Type Calibrator (Toxic)**

The 9210-00 Permeation Type Calibrator with the individual permeation tube for the specific gas required offers a unique means of generating a desired gas in small quantities. This device has the advantages of a wide selection of gas types, long life, and is an economical solution for the regular calibration of a large number of toxic sensors.

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## SAMPLE DRAW PRODUCTS

Sample draw products are used in applications in which the sensor cannot be installed directly at the gas sensing location due to poor accessibility or the harshness of the environment. Sample is continuously drawn from the sensing location to the sensor at a more suitable location.

The primary component of the sample draw product is a venturi manifold that uses a continuous flow of driver air to pull a slight vacuum through the sample supply line drawing the sample into the manifold cavity connected to the sensor.

### 5399-01 Sample Draw Fitting

The sample manifold assembly is the 5399-01 Sample Draw Fitting. Sample stream draw and flow control is provided by the user.

### 5398-01 Sample Draw Assembly

The 5398-01 is a complete sample draw assembly including the sample draw fitting, driver air, sample and exhaust fittings and flow metering assembly. This allows accurate adjustment of sample flow using the signal flow meter located on the flow metering assembly.



### 5398-02 Sample Draw/Dilution Assembly

The 5398-02 is used in applications in which the expected gas concentration is either higher than the maximum range of the sensor or sufficiently high to significantly reduce sensor life with extended exposure. This assembly adds a second flow meter for control of dilution air. Adjustment of sample and dilution air flow meters determines the dilution ratio. Concentrations displayed on the Sentry Controller must then be multiplied by the dilution factor to arrive at actual concentrations.

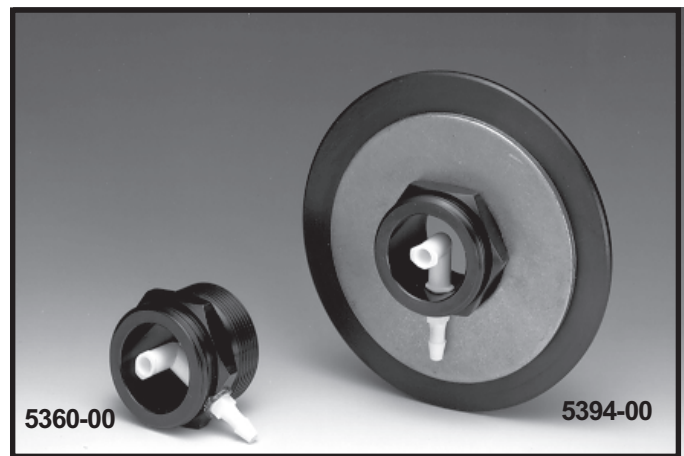
## SENSOR MOUNTING PRODUCTS

### 5311-00 Rainshield

The Rainshield is mounted over the sensor head to protect the sensor from direct exposure to rain, hosedown and other splashing liquids.

### 5394-00 Duct Mount Fitting

The Duct Mount Fitting facilitates installation of the gas sensor module onto an air duct. The fitting also includes the 5360-00 calibration gas delivery fitting so that calibration gas can be delivered to the sensor with out removing the module from the duct.



## CALIBRATION ADAPTERS

The Sentry system is designed for easy calibration of the sensor modules. The standard calibration adapter screws over the head of the sensor. Then calibration gas is fed through a tube connected onto the adapter.

Magnetic calibration adapters are commonly used with Sentry gas sensor modules. The magnetic calibration adapter is used to control a switch inside the sensor module. When the adapter is first applied to the sensor the switch closes to indicate the start of calibration and the zero gas stage. The second time the adapter is applied to the module, the switch closure indicates that span gas is being applied. When the magnetic adapter is removed, the module knows that calibration is complete and sends the appropriate signal to the controller.



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