

Gas Sensor Accessories

CALIBRATORS

1250-XX Calibration Kit

The 1250-XX Calibration Kit is used to deliver calibration gas for combustible gases and a wide variety of toxic gas detection modules including Carbon Monoxide, Hydrogen, Combustible Gas, Hydrogen Sulfide, Chlorine, Sulfur Dioxide, Ammonia, Nitrogen Dioxide and Zero Grade Air. Other gases are available upon request. There are three versions of the calibration kit available depending upon the specific calibration gas required. Each kit contains a regulator, calibration adapter and carrying case. The individual calibration gas cylinders (Series 1260) are sold separately.



CALIBRATION ACCESSORIES

The SMC gas sensor modules are designed for easy calibration. The standard 5358-01 calibration adapter screws over the head of sensor. Then calibration gas is fed through a tube connected onto the adapter.



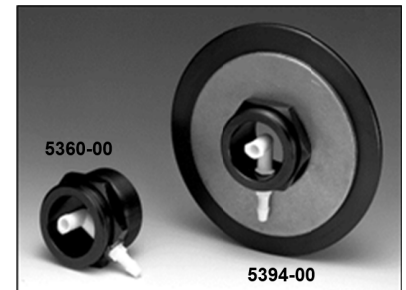
CALIBRATION ADAPTERS

5360-00 Calibration Gas Delivery Fitting

The Calibration Gas Delivery Fitting provides the ability to deliver the gas to the sensor module in a remote location. A tube fitting enables the operator to direct calibrations gas flow to the sensor at any time desired.

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 without removing the module from the duct.



Rainshield/Dust Guard

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

Optional 1/4" tube fitting available.



5311-00

5311-02

CALIBRATION GAS SELECTION GUIDE

Model	Suffix	Gas - Sensor Type	Calibrator	Cylinder Notes
5100	-02-IT	Combustible – Catalytic	1250-01 Type A	Methane Gas Cylinder: 1260-02 (50% LEL CH ₄), 105 L Optional 1260-30 (25% LEL CH ₄), 105 L; Optional 1260-42 H ₂ Gas Cylinder (50% LEL H ₂), 105 L
4501 5100	-03 -03-IT	O ₂ – Electrochemical	1250-01 Type A	Zero Air Gas Cylinder: 1260-00-SMC, 105 L
4501 5100	-04 -04-IT	CO – Electrochemical	1250-01 Type A	CO Gas Cylinder: 1260-04 (100 PPM CO) in Air Balance, 103 L
4501 5100	-05 -05-IT	H ₂ S – Electrochemical	1250-01 Type A	H ₂ S Gas Cylinder: 1260-05 (25 PPM H ₂ S) in N ₂ Balance, 57 L
4501 5100	-06 -06-IT	Cl ₂ – Electrochemical	1250-03 Type C	Cl ₂ Gas Cylinder: 1260-06 (10 PPM) in N ₂ Balance, 58L
4501 5100	-08 -08-IT	ClO ₂ – Electrochemical	1250-03 Type C	Cl ₂ Gas Cylinder: 1260-06 (10 PPM) in N ₂ Balance, 58L
4501 5100	-10 -10-IT	SO ₂ – Electrochemical	1250-02 Type B	SO ₂ Gas Cylinder: 1260-10 (50 PPM SO ₂) in N ₂ Balance, 74 L
4501 5100	-12 -12-IT	NO ₂ – Electrochemical	1250-02 Type B	NO ₂ Gas Cylinder: 1260-12 (10 PPM NO ₂) in N ₂ Balance, 74 L
4501 5100	-04 -04-IT	CO – Electrochemical (High Range)	1250-01 Type A	CO Gas Cylinder: 1260-13 (1000 PPM CO) in N ₂ Balance, 103 L
4101 5100	-21	HCl – Electrochemical	1250-99 Type X	Requires dedicated 1256-21 regulator HCl Gas Cylinder: 1260-21 (10 PPM HCl), 58 L
4101 5100	-22	HCN – Electrochemical	1250-99 Type X	Requires dedicated 1256-22 regulator HCN Gas Cylinder: 1260-22 (10 PPM HCN), 58 L
4501 5100	-25 -25-IT	NH ₃ – Electrochemical	1250-04 Type A	NH ₃ Gas Cylinder: 1260-25 (50 PPM NH ₃) in N ₂ Balance
4501 5100	-26 -26-IT	HF – Electrochemical	1250-03 Type C	Cl ₂ Gas Cylinder: 1260-06 (10 PPM) in N ₂ Balance
4501 5100	-27 -27-IT	ETO – Electrochemical	1250-02 Type B	C ₂ H ₄ O Gas Cylinder: 1260-27 (10 PPM ETO) in N ₂ Balance, 74 L
4101 5100	-28 -28-IT	Combustible LEL – Infrared	1250-01 Type A	Gas Cylinder: 1260-02 50% LEL (CH ₄)
5100	-28-IT	Combustible Volume – Infrared	1250-01 Type A	Gas Cylinder: 1260-29 5% VOL (CH ₄) in N ₂ Balance, 103 L
5100	-88-IT	CO ₂ – Infrared	1250-01 Type A	CO ₂ Gas Cylinder: 1260-80 (2000 PPM CO ₂) in N ₂ Balance, Optional 1260-81 (2.5% VOL CO ₂) in N ₂ Balance, 105 L
4100	-33	Halocarbon – Solid State	1250-04 Type A	CH ₄ Gas Cylinder: 1260-08 (1000 PPM CH ₄) in Air, 103 L
4100	-34 -35	Hydrocarbon – Solid State	1250-04 Type A	CH ₄ Gas Cylinder: 1260-08 (1000 PPM CH ₄) in Air, 103 L CH ₄ Gas Cylinder: 1260-09 (5000 PPM CH ₄) in Air, 103 L
2400	-21	Combustible – Solid State CO – Electrochemical	1250-04 Type A	CH ₄ Gas Cylinder: 1260-09 (5000 PPM CH ₄) in Air, 103 L CO Gas Cylinder: 1260-14 (25 PPM CO) in Air, 103 L
2450	-4X	Combustible – Solid State CO – Electrochemical	1250-04 Type A	CO/CH ₄ Gas Cylinder: 1260-50 (100 PPM CO/5000 PPM CH ₄) in Air, 103 L
201/2001	-00	Combustible – Solid State	1250-04 Type A	CH ₄ Gas Cylinder: 1260-08 (1000 PPM CH ₄), 103 L CH ₄ Gas Cylinder: 1260-11 (10,000 PPM CH ₄), 103 L
203/2003	-00	H ₂ S – Solid State	1250-04 Type A	H ₂ S Gas Cylinder: 1260-203 (25 PPM H ₂ S) H ₂ S in Air, 57 L
206/2006	-00	CO – Solid State	1250-04 Type A	CO Gas Cylinder: 1260-04 (100 PPM CO), 103 L

Note 1: Threaded calibration gas adapters are required for 4XXX and 5XXX series and are included in the 1250-XX Calibration Kits.

Note 2: Listed gas concentrations are typical, actual concentrations may vary and are noted on cylinder label.

Note 3: All gas cylinders have an established use duration. Expiration date is noted on cylinder label.

Note 4: Model 2450 use special calibration adaptor # 2458-24.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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