

BRASCH

GAS DETECTORS

The latest generation of gas detectors from Brasch Manufacturing Co., Inc. is designed using the highest-grade components resulting in superior reliability.

The following key features are common to all Brasch models:

- ETL Listed •
- Fail Safe Operation •
- Complete Factory Calibration Eliminates The Need To Calibrate In The Field •
- Corrosion Resistant Enclosure •

All models carry the same quality assurance that you have received from BRASCH for over four decades

CARBON MONOXIDE

Carbon Monoxide (CO) is an odorless, colorless, toxic gas that is found in enclosed spaces such as garages, auto service centers, tunnels and warehouses where gas powered motors may operate. Various local and national codes can require the continuous ventilation of such high-risk areas, unless a carbon monoxide monitoring system is installed. Brasch Gas Detectors can sense this danger and activate ventilation systems, only when needed, to save money while eliminating the hazard.

GSE-CM Bulletin A211



GSE-CM



GSE-ND

NITROGEN DIOXIDE

The Brasch nitrogen dioxide (NO₂) detector, model GSE-ND, is used to control ventilation equipment in firehouses, bus maintenance garages, and anywhere that diesel exhaust is present. Nitrogen dioxide, a by-product of burning diesel fuel, is a component of the thick smoke (particulates) found in diesel exhaust that has been found to cause lung cancer. The Brasch detector can sense concentrations of NO₂ as low as 0.1 PPM (parts per million), and activate ventilation equipment to virtually eliminate the smoke from diesel exhaust.

Available with an electro-chemical sensor.

GSE-ND Bulletin A211

REFRIGERANT

In certain situations, a refrigerant gas leak can displace a person's needed breathable air but the Brasch Stand-Alone Gas Detector can sense the emergency and activate ventilation equipment to restore it. Areas where refrigerants are stored or used, such as mechanical (refrigeration) rooms or supermarket coolers, are at risk. This unit can be calibrated to respond to a wide variety of commonly used refrigerants (R-11, R-12, R-22, R-23, R-113, R-123, R-134a, R-141b, R-142b, R-152a, R-500 or R-502).

Available with a semi-conductor sensor.

BGS-RF-STD Bulletin A178-3



BGS-RF-STD

OXYGEN

OSHA defines an oxygen-deficient environment as one that contains 19.5% or less oxygen (O₂). The Brasch oxygen (O₂) detector, model GSE-OX, safeguards personnel against dangerously low oxygen levels in facilities such as water treatment plants, mechanical (chiller) rooms, and incineration rooms. When the oxygen level drops below an adjustable threshold, an alarm will sound and ventilation equipment will operate, bringing in fresh air to restore the level to normal.

Available with an electro-chemical sensor.

GSE-OX Bulletin A211



GSE-OX



BGS-CD-STD

CARBON DIOXIDE

The Brasch carbon dioxide (CO₂) detector, model BGS-CD-STD, can be used in any environment where the amount of CO₂ is monitored to control the breathing quality of the surrounding air. The detector features an infrared absorption sensor. The unit is self-calibrating and is extremely reliable. The detector displays the parts per million (PPM) of CO₂, and is designed to activate ventilation equipment to bring in fresh air in order to reduce the CO₂ level. An optional duct mounting kit is available for monitoring CO₂ in the cold air return duct.

BGS-CD-STD Bulletin A175-1

SENSOR TRANSMITTERS

Universal Sensor / Transmitters are available to detect carbon monoxide (CO), nitrogen dioxide (NO₂), oxygen (O₂) and refrigerants (R-11, R-12, R-22, R-23, R-113, R-123, R-134a, R-141b, R-142b, R-152a, R-500 or R-502). Brasch sensors can transmit a 4-20 ma DC, 0-1 VDC, 0-5 VDC or 0-10 VDC output signal in direct relationship to the gas concentration being measured. This signal can be used to interface with Energy Management Systems directly, or act as a remote sensor for Brasch Combination Gas Detectors or Brasch Universal Multi-Sensor Control Panels.

GSE-CM-TRNS, GSE-ND-TRNS, GSE-OX-TRNS Bulletin A212
BGS-RF-TRNS (not shown) Bulletin A203-0



COMBINATION GAS DETECTORS

Carbon monoxide (CO), nitrogen dioxide (NO₂) and oxygen (O₂) Stand-Alone Gas Detectors are capable of monitoring gases from two sensors at the same time. Sensors may be of the same type or any combination of CO, NO₂ or O₂ sensors. These sensors can be 1) both mounted internally, 2) both mounted externally, or 3) one sensor mounted internally and the other external to the stand-alone box. For example, detectors with CO & NO₂ sensors combined in a single unit are useful where both gas and diesel engines operate. In another configuration, these detectors can be used to double the coverage area of any one type of gas for less cost than two stand-alone gas detectors, by the use of a remotely located Universal Sensor / Transmitter.

GSE-CM-xx, GSE-ND-xx, GSE-OX-xx, GSE-NCM-xx, GSE-OND-xx, GSE-OCM-xx Bulletin A211



MULTI-SENSOR CONTROL PANELS



GSE-CM-TRA

GSE-ND-TRA

Our next generation **Digital Control Panel** comes standard to monitor up to 20 remote sensors and control up to 6 different ventilation systems. Wiring for power and communication can be sequentially "daisy chained" for up to 1000 feet from the control panel to the GSE-CM-TRA and/or GSE-ND-TRA sensor / transmitters.

GDCP-A Bulletin A215

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