



# **BRASCH**

ENVIRONMENTAL TECHNOLOGIES

**Product/Capability Overview Guide**

# **Gas Detection Systems**

- **Standalone Detectors**
- **Multi-Zone Control Panels**
- **BMS Transmitters**
- **More Gases**
- **Accessories**

## Standalone Detectors

The Brasch GSE Generation 2 series dual-zone gas detectors and ventilation controllers are designed to monitor low levels of toxic gases and control HVAC equipment to provide an all-in-one fixed gas detection system. Each detector can accommodate up to four carbon monoxide (CO) and/or nitrogen dioxide (NO<sub>2</sub>) sensors in a combination of locally and remotely mounted positions to monitor and control one or two separate zones. Six control relays are provided to actuate ventilation equipment while analog outputs are provided for communication with a BMS, DDCS, or VFD.



## Multi-Zone Control Panels

The Brasch GDCP-Touch gas detector control panel is designed to monitor any size area for low levels of toxic gases and control HVAC equipment to provide the ultimate gas detection system. Each control panel is equipped with a 7-inch touch screen, can accept up to 30 remote carbon monoxide (CO) and/or nitrogen dioxide (NO<sub>2</sub>) sensors, and includes 4 fully configurable control relays for actuating ventilation equipment. Up to 128 sensors and 32 relays can be added via the GDCP-ExpansionPack. Analog, Modbus, and BACnet outputs are provided standard for communication with a BMS, DDCS, or VFD.



## BMS Transmitters

The Brasch TRNS Generation 2 series gas transmitters are designed to monitor low levels of toxic gases and provide an output signal to conveniently add gas detection capabilities to any new or existing system. Transmitters are available in carbon monoxide (CO) and nitrogen dioxide (NO<sub>2</sub>) variants. A digital output is provided via Modbus RTU while an analog output is provided via a user selectable 4-20 mA, 0.2-1 VDC, 1-5 VDC, or 2-10 VDC signal. Each output is easy to configure for communication with most BMS, DDCS, or VFD systems.



## More Gases

Our line of gas detection solutions also includes Carbon Dioxide and Oxygen Detectors. Each detector displays the gas concentration, controls a set of relay contacts, and provides an output for BMS communication.

## Accessories

Brasch accessories are designed to expand the capabilities of any gas detection system by adding enhanced signaling functions through the use of audible and visual alarms.

## Typical Applications

- Commercial Parking Garages
- Condominium and Apartment Garages
- Tunnels
- Car and Bus Maintenance Garages
- Warehouses and Factories
- Auto Service Centers
- Bus Parking Garages
- Repair Facilities
- Steel Mills
- Bottling Plants
- Cryogenic Laboratories
- Wastewater Treatment Plants
- Incineration Facilities
- Firehouses
- Office Buildings
- Schools
- Postal Facilities
- Theaters
- Horticulture Facilities
- Hospitals
- Casinos
- Dry Ice Facilities



## Brasch Quality

Brasch Environmental Technologies is committed to providing products and services that exceed customer requirements and applicable standards. Every product we make goes through extensive calibration and testing to ensure we deliver the highest quality products on the market. We guarantee our products free from material and workmanship defect for two years and will continue to provide support for the life of the product. Our expert technical staff will assist with any questions that may arise and offer factory certified recalibration services which we recommend getting once every two years. It is important to us to produce gas detection systems that are reliable, durable, and long-lasting. We want your next Brasch gas detector to be the only gas detector you will ever need to purchase.

## Our Promise

Great products don't have to be complicated and expensive. That's why at Brasch Environmental Technologies, we promise to keep all of our products focused on core functionality so you only pay for what you need and nothing else. What's more is that this simplicity means we offer standard quick shipping with every order, saving you time and money.



## Certifications

All Brasch products comply with ANSI 92.00.01, RoHS 3, NEMA, and Title 47 CFR Part 15. Furthermore, each product is built in the USA at our facility in Missouri.



# Save Time. Save Money. Save Lives.

## About Us

Brasch Environmental Technologies, formerly Brasch Manufacturing, has been a leading designer and manufacturer of quality gas detection systems for over 25 years. Brasch gas detectors are trusted by industry professionals and can be found installed in a variety of buildings from firehouses to parking garages all across the United States and beyond. Our mission is to help make the environment a safer and more comfortable place by protecting people from harmful gases. When customers install Brasch Environmental Technologies equipment, they have confidence they have the best products available, products that will far outlast their expectations.



**[www.braschenvtech.com](http://www.braschenvtech.com)**

**314-291-0440**

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