



MGS-410 Gas Detector

for Safety Compliance in Refrigeration Applications

| FEATURES | BENEFITS | |
|---|--|--|
| Mobile App Interface | Makes commissioning, configuration and maintenance intuitive and requires no special training or tools to set alarm behavior and / or thresholds | |
| Pre-calibrated Sensors | Saves time and money on maintenance procedures | |
| Semi-automated Calibration | Easy process with no potentiometers or volt meters | |
| Temperature-compensated Measurement | Mitigates false alarms and optimizes accuracy in refrigeration applications | |
| Digital Communications | Integrates with BMS / BAS control systems via Modbus | |
| Audible and Visual Alarms | Complies with ASHRAE 15 / EN 378 - no additional hardware | |
| Multiple Cable Entries and Terminals | Quick and easy installation of all wiring; daisy-chain power and digital communications | |
| Low-temperature Performance | Engineered for use in all refrigeration applications (machinery rooms, cold storage, walk-in freezers) and maintains performance at temperatures as low as -40°F (-40°C) | |

Refrigerant Gas Detector with Remote Sensor for Halogenated and Natural Refrigerants with Digital Communications

DESCRIPTION

Bacharach's MGS-410 Gas Detector makes compliance with refrigeration safety codes simple and easy, saving time and money on equipment and installation. Using the MGS-400 App, users can intuitively use, commission and maintain their gas detection system without the need for specialty training or tools. Pre-calibrated sensor modules simplify maintenance, take minutes to exchange and do not require the use of calibration gas.

The MGS-410 allows installers to daisy-chain power and Modbus communication cables across the system, and can be easily integrated into a BMS / BAS, or with Bacharach's optional MGS-408 Gas Detection Controller.

FOR MORE INFO:

Scan the QR code to learn more about the MGS-410 and other Bacharach products.



HOW TO CONTACT US:

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TECHNICAL DATA

| PRODUCT ATTRIBUTES | DI | SCRIPTION | DEFINITION | |
|----------------------|---|--|--|--|
| Gases and Ranges | Refrigerants | | 1,000 ppm | |
| | CO ₂ | | 5,000 / 10,000 / 20,000 / 30,000 / 40,000 / 50,000 ppm | |
| | NH₃ | | 100 / 1,000 / 5,000 / 100% LEL | |
| | O ₂ | | 30 Vol% | |
| | СО | | 500 | |
| | | es - Semiconductor (R-290, 0a, HC-12a, R-717) | 5,000 ppm | |
| | Combustible gase | es - NDIR (R-600, R-50, R-290) | 100% LEL | |
| | Combustible gase R-290, R-717) | es - Catalytic (R-600, R-50, | 100% LEL | |
| | NO ₂ | | 20 ppm | |
| Status Indicator | Single tri-color LED (green, red, orange) | | | |
| Buzzer | 72dB @ 10 cm | | | |
| Output | Digital | | Modbus RTU via RS 485 | |
| Power Supply | 24V AC or DC (auto selecting), 4W (max) | | | |
| Enclosure | IP66 | | | |
| Size (W×H×D) Approx. | 5.1" × 5.1" × 2.7" (130 × 130 × 68 mm) | | | |
| Weight Approx. | 9.2oz (260 g) | | | |
| Approvals | CE, UL / CSA / IEC EN 61010-1 | | | |
| Ambient Conditions | Temperature | Semiconductor | -40 to 122°F / -40 to +50°C | |
| | | Electrochemical | NH₃ 100 / 1,000 ppm: -40 to 40°C | |
| | | | NH₃ 5,000 ppm: -20 to 40°C | |
| | | | CO 500 ppm: -40 to 50°C | |
| | | | NO ₂ 20 ppm: -20 to 40°C | |
| | | | O ₂ 30% Volume: -20 to 50°C | |
| | | Infrared | -40 to 122°F / -40 to +50°C | |
| | | Catalytic Bead | -40 to 122°F / -40 to +50°C | |
| | Humidity | 5 to 90 % RH, non condensing | | |
| | Pressure | 23.6 to 32.5 inch Hg / 800 to 1,100 mbar | | |

For ordering information, visit us at www.mybacharach.com or contact your Bacharach sales manager.

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