



Fixed Gas Monitors

Single-Zone Gas Leak Monitor HGM-SZ - AGM-SZ



Features & Benefits:

- Proprietary infrared sensing technology virtually eliminates false alarms and extends sensor life
- Capable of detecting and measuring any CFC, HFC, and HCFC refrigerant gas or ammonia
- Provides continuous, unattended monitoring from up to 500 ft. (152.4 m) away from measuring point
- Measurement range of 0-10,000 ppm with sensitivity of 1 ppm
- Logging feature enables 200 gas readings to be stored at user-selectable time intervals
- No costly calibration required

Low Maintenance Continuous Monitoring

The Bacharach Single-Zone family of fixed point gas monitors is available for the detection of refrigerants, halogen gases (HGM-SZ) and ammonia (AGM-SZ). The Single-Zone series is designed around Bacharach's proprietary infrared sensing technology to offer reliable, superior sensing performance.

Bacharach's infrared (NDIR) sensors offer users one of the most feature loaded, lowest-cost-of-ownership monitors available. The Single-Zone monitors feature automatic calibration, eliminating the need for costly calibrations. Periodic filter replacements are practically the only maintenance required.

An easy-to-install, out-of-the-box solution, Bacharach's Single-Zone monitors offer an onboard power supply, LCD display for real-time readings and LED indicators with dedicated relays that activate audible or visual alarms. A 4-20 mA output enables a compatible connection to standard building automation systems.

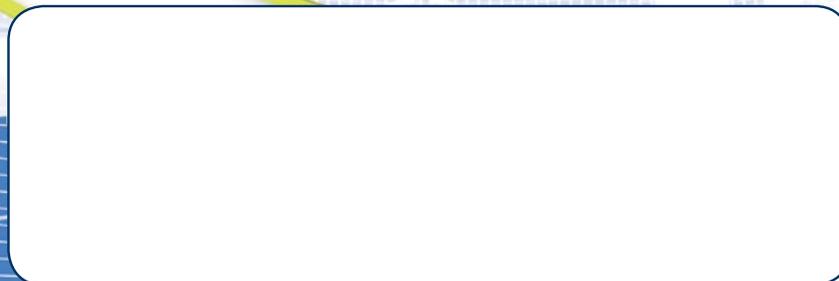
Single-Zone Specifications

| | HGM-SZ | AGM-SZ |
|----------------------|---|---|
| Part Number: | 3015-4200 | 3015-4280 |
| Includes: | HGM-SZ single zone monitor with: 1 termination filter, 15.24 m (50 ft.) of sample line tubing. | AGM-SZ single zone monitor with: 1 termination filter, 15.24 m (50 ft.) of sample line tubing. |
| Measures: | R-11, R-12, R-22, R-23, R-113, R-114, R-123, R-124, R-125, R-134a, R-227, R236FA, R-401a, R-402a, R402b, R-404a, R-407a, R-407c, R-408a, R-409a, R-410a, R-500, R-502, R-503, R-507, R-508b, H-1211, H-1301, H-2404, N-1230 | Ammonia (NH ₃) - also known as R-717 |
| Measuring Range: | 0 to 1,000 ppm | 25 to 10,000 ppm |
| Sensitivity: | 1 ppm | 25 ppm |
| Accuracy: | ± 1 ppm ± 10% of reading from 0 to 1,000 ppm | ± 20 ppm ± 10% of reading from 25 to 1,000 ppm |
| Detector Type: | Single-pass Non-Dispersive Infrared (NDIR) | |
| Inputs: | Dedicated single zone | |
| Output Signal: | 3 SPDT, 3 Amp, 250 VAC rated alarm relays and 1 SPDT, 3 Amp, 250 VAC rated system fault relay, plus a digital display with dedicated 4-20 mA DC analog output (floating ground) | |
| Monitoring Distance: | Maximum 152.4 m (500 ft.) from measuring point to monitor | |
| Response Time: | 9 to 90 seconds, depending on sample tube length | |
| Front Panel Display: | Green LED: indicates unit is operating properly Yellow LED: indicates clogged sample line or other system fault Red LED: indicates when any monitored point exceeds alarm settings | |
| Power: | 100 to 240 VAC, 50/60 Hz | |
| Size / Weight: | 13.7" x 7.7" x 3.6" / 7 lbs. (347.98 mm x 195.58 mm x 91.44 mm / 3.175 kg) | |
| Approvals: | UL 61010-1 • CSA 22.2 No. 61010-1 • EN 14624 • CE Mark | |

Single-Zone Ordering Information

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| 3015-4200 | HGM-SZ Halogen Gas Monitor - Single Zone (with termination filter, 15.24 m of sample tubing, & 15.24 m (50 ft.) exhaust/purge line tubing) |
| 3015-4280 | AGM-SZ Ammonia Gas Monitor - Single Zone (with termination filter, 15.24 m of sample tubing, 15.24 m (50 ft.) exhaust/purge line tubing) |
| 0304-2742 | AGM-SZ Sample/Exhaust/Purge Line Tubing |
| 0304-2743 | HGM-SZ Sample/Exhaust/Purge Line Tubing (note: #0304-2742 is req'd for AGM-SZ sample line) |
| 3015-3420 | Termination filter |
| 3015-4121 | 120 VAC surge protector |
| 3015-4122 | 220 VAC surge protector |
| 3015-4123 | 4-20 mA surge protector |
| 3015-5490 | 24 VDC Audible/Visual Audible Alarm |
| 3015-3492 | 24 VDC Visual Alarm |
| 3015-3076 | 120 VAC External Audible/Visual Alarm |
| 3015-5529 | Single-Zone Annual Maintenance Kit |

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