



## Features

- Small in size, big in value
- False alarms are virtually eliminated with the use of infrared detection technology
- Capable of detecting 30 of the most commonly used refrigerants and halon gases
- Three gas alarm levels can be individually set by the user
- Logging feature enables 200 gas readings to be stored at user-selectable time intervals
- Two year warranty

## HGMSZ (Halogen Gas Monitor Single Zone)

Fixed Refrigerant Monitor

The Bacharach HGMSZ (Halogen Gas Monitor Single Zone) is an infrared detector based unit designed for continuous single-point monitoring of CFC, HFC, HCFC Refrigerants and Halon Gases. The unit displays both the current and peak gas levels. Gas alarms and fault conditions are indicated by audible and visual alarms. The HGMSZ's four relay contacts enable external devices to be triggered when gas alarms or fault conditions occur. A 4-20mA output enables the unit to be integrated with remote monitoring equipment or building management systems.

### SPECIFICATIONS

Measures	R-11, R-12, R-21, R-22, R-23, R-113, R-114, R-123, R-124, R-134a, R-227, R236FA, R-401a, R-402a, R-402b, 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
Inputs	Dedicated Single Zone
Output Signal	3 SPDT, 5 Amp, 240 VAC rated alarm relays and 1 SPDT, 5 Amp, 240 VAC rated system fault relay, plus a Digital Display w/ a dedicated 4-20 mA analog output (floating ground)
Detector Type	Single Pass, Non-dispersive Infrared
Measuring Range	All Gases, 0 to 10,000ppm
Sensitivity	1ppm
Accuracy	± 10ppm from 0 to 100ppm, ± 10% of reading from 100 to 10,000ppm
Front Panel Display	Green LED indicates when unit is operating properly Red LED indicates when any monitored point is above any of its alarm settings Yellow LED indicates a clogged sample line or other system fault
Response Time	9 to 30 seconds, depending on sample tube length
Max. Monitoring Distance	Up to 50 feet from measuring point to monitor
Power	120 to 240 VAC, 50/60 Hz
Weight	14" W x 18" L x 4.5" D, 7lbs.

### ORDERING INFORMATION

PART NO.	DESCRIPTION
3015-4200	HGMSZ single zone monitor (includes 1 termination filter and 50ft. of 304-2743 sample / exhaust / purge line tubing)
304-2743	Sample / Exhaust / Purge line tubing
3015-3420	Termination filter
3015-4121	120 VAC surge protector
3015-4122	220 VAC surge protector
3015-4123	4-20mA surge protector
3015-3069	120 VAC external visual alarm
3015-3070	120 VAC external audible alarm
3015-3076	120 VAC external audible / visual alarm



## AGMSZ (Ammonia Gas Monitor Single Zone)

Fixed Refrigerant Monitor

The Bacharach AGMSZ (Ammonia Gas Monitor Single Zone) is an infrared detector based unit designed for continuous single-point monitoring of ammonia gas. The unit displays both the current and peak gas levels. Gas alarms and fault conditions are indicated by audible and visual alarms. The AGMSZ's four relay contacts enable external devices to be triggered when gas alarms or fault conditions occur. A 4-20mA output enables the unit to be integrated with remote monitoring equipment or building management systems.

SPECIFICATIONS	
Measures	Ammonia (NH <sub>3</sub> , also known as R-717)
Inputs	Dedicated Single Zone
Output Signal	3 SPDT, 5 Amp, 240 VAC rated alarm relays and 1 SPDT, 5 Amp, 240 VAC rated system fault relay, plus a Digital Display w/ a dedicated 4-20 mA DC analog output (floating ground)
Detector Type	Single Pass, Non-dispersive Infrared
Measuring Range	25 to 10,000 ppm
Sensitivity	1ppm
Accuracy	± 10ppm from 25 to 100ppm, ± 10% of reading from 100 to 10,000ppm
Front Panel Display	Green LED indicates when unit is operating properly Red LED indicates when any monitored point is above any of its alarm settings Yellow LED indicates a clogged sample line or other system fault
Response Time	9 to 30 seconds, depending on sample tube length
Max. Monitoring Distance	Up to 50 feet from measuring point to monitor
Power	120 to 240 VAC, 50/60 Hz
Size/Weight	14" x 18" x 4.5" / 7 lbs.

## Features

- Small in size, big in value
- False alarms are virtually eliminated with the use of infrared detection technology
- Three gas alarm levels can be individually set by the user
- Logging feature enables 200 gas readings to be stored at user-selectable time intervals
- Two year warranty

ORDERING INFORMATION	
PART NO.	DESCRIPTION
3015-4280	AGMSZ single zone monitor (includes 1 termination filter, 50ft. of 304-2742 sample line tubing and 50ft. of 304-2743 exhaust / purge line tubing)
304-2742	Sample tubing for AGMSZ
3015-3420	Termination filter
304-2743	Exhaust / purge line tubing (note: tubing 304-2742 is required for AGMSZ sample line)
3015-4121	120 VAC surge protector
3015-4122	220 VAC surge protector
3015-4123	4-20mA surge protector
3015-3070	120 VAC external audible alarm
3015-3069	120 VAC external visual alarm
3015-3076	120 VAC external audible / visual alarm

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