

GAS & SPECIALTY SENSORS

BACHARACH SINGLE ZONE (TUBE) AMMONIA GAS MONITOR AGM-SZ



DESCRIPTION

The **Bacharach Model AGM-SZ Single Zone (tube) Ammonia Gas Monitor** is designed for single point monitoring of ammonia gas with a 1/4" O.D. tube up to 50 ft (15.2 m) distance from measuring point to monitor. The unit features a digital display for local indication of current gas levels and peak value. Three adjustable alarm levels with relay output designate leak, spill, and evacuation concentrations. Gas alarms and system fault conditions are indicated by visual and audible alarms. The **Model AGM-SZ** provides a system fault relay output and a 4 to 20 mA output for integration with remote monitoring equipment or building management systems.

The **AGM-SZ Single Zone (tube) Ammonia Gas Monitor** is designed to be used as part of a control system that helps to prevent the formation of a hazardous environment when properly installed and maintained.

FEATURES

- Three alarm levels with SPDT alarm contacts
- Self diagnostics verify operation
- LED status indication
- System fault alarm
- 200 data point logging
- 4-20 mA output signal
- 50-foot sampling tube and end filter included
- Audible and visual alarm indication
- Local indication of current and peak gas levels
- Alarm-silence button
- NEMA 1

SPECIFICATIONS

Supply Voltage	100 to 240 VAC @ 21 VA, 50/60 Hz
Accuracy	±10 ppm from 25 to 100 ppm or ±10% reading from 100 to 10,000 ppm
Signal Output	3 alarm relays, 1 fault relay, 240 VAC, 3A, (5% DIF) and 4-20 mA @ 500Ω (non-isolated)
Sensitivity	25 ppm
Measurement Range	25-10,000 ppm
Gases Detected	Ammonia (NH ₃ , R-717)
Sensing Technology	Single-pass, infrared non-dispersive
Coverage	1/4" O.D. tube up to 50 ft (15m) from measuring point to monitor
Warm Up Time	15 minutes
Response Time	9 to 90 seconds depending on sample tube length
Operating Temperature	32° to 122°F (0° to 50°C)
Operating Humidity	5% to 90% RH non-condensing
Enclosure Rating	NEMA 1
Dimensions	7.7"H x 13.7"L x 3.6"D (19.6 x 34.8 x 9.1 cm)
Weight	10.0 lb (4.5 Kg)
Approvals	UL File #E212266, CSA, CE
Warranty	2 years

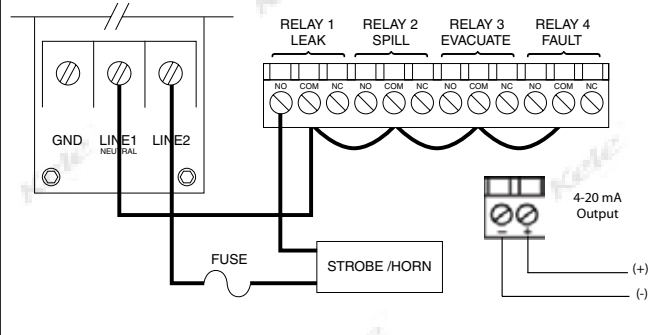


INSTALLATION

The monitor should be located outside the mechanical room and readily accessible for verification and servicing. The end of the sample tube should be located as close as possible to the source of a potential leak.

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WIRING



ORDERING INFORMATION

MODEL
AGM-SZ

DESCRIPTION
Single zone ammonia gas monitor

RELATED PRODUCTS

304-2742	Replacement sample tubing
304-2743	Replacement exhaust/purge tubing
NIOSHSCBA	Self-contained breathing apparatus kit
UCK-2	Universal calibration kit for corrosive gases (NO ₂ , H ₂ S, SO ₂ , and NH ₃)
3015-3411	Line end filters (4)
Calibration Gases	CO, CO ₂ , NO ₂ , O ₂ , CH ₄ , NH ₃ , N ₂ , H ₂ S, H ₂ , and Refrigerants (See calibration page)
T-101	Tubing

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