HGM-MZ
HALOGEN GAS MONITOR
Multi Zone

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HGM-MZ
MULTI ZONE HALOGEN GAS MONITOR

The HGM-MZ (Halogen Gas Monitor Multi-Zone) is designed for continuous multi-point monitoring of CFC, HFC, HCFC, and Halon refrigerant gases. The system provides much of the same features as the HGMSZ, but in multiple zones.

Benefits

Speed
- Quick leak detection for quick resolution

Savings
- No customer calibration required
- Early detection of costly leaks
- Low maintenance costs

Safety
- Active diagnostics with continuous checking
- False alarms are virtually eliminated

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Features

- **Capable of detecting 35 refrigerant gases**
- **Monitors up to 1,200 feet**
- **Uses infrared technology**
- **Expand 4 to 16 zones**
- **Remote display accessory available that will support 4 MZs (64 zones)**
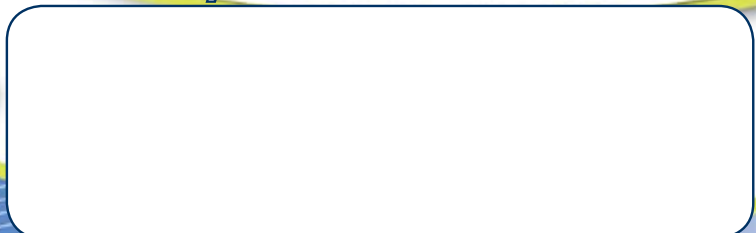- **Identifies current and peak gas levels**

Ordering Information

HGM-MZ	
#3015-5043	Halogen gas monitor 4 zone
#3015-5044	Halogen gas monitor 8 zone
#3015-5045	Halogen gas monitor 12 zone
#3015-5046	Halogen gas monitor 16 zone
#3015-5047	Ammonia gas monitor 4 zone
#3015-5048	Ammonia gas monitor 8 zone
#3015-5049	Ammonia gas monitor 12 zone
#3015-5050	Ammonia gas monitor 16 zone
HGM-RD	
#3015-5138	Halogen
#3015-5139	Ammonia

Specifications

Product Type:	Multiple refrigerant gases and multiple area monitoring system for low level continuous monitoring of CFC, HCFC and HFC refrigerant gasses used in most commercial refrigeration systems. System design supports compliance to the refrigerant monitoring requirements of ANS/BSR ASHRE 15-1994.
Coverage:	4 point standard, expandable to 16 points in 4 point increments
Detector Type:	Infrared Non-Dispersive
Gas Library:	CFC: R-11, R-12, R-113, R-114, R-502 HFC: R-404a (HP62), R-407a, R-407c (AC9000), R-134a, R-410a (AZ20), R-507 (AZ50), R-508b (SUVA95), R236FA, R125 HCFC: R-22, R-123, R-124, R-500, R-503, R-401a (MP39), R-402a (HP80), R-402b (HP81), R-408a, R-409a, R-23, R21 HALON: H1301, H2402, H1211 OTHER: FA188, FC72, N1230
Sensitivity:	All gasses 1 ppm (R11 ±10ppm ±15% of reading 0-1000ppm)
Measuring Range:	All gasses 0 to 10,000 ppm
Accuracy:	±1ppm ±10% of reading from 0-1000ppm (R11 ±10ppm ±15% of reading 0-1000ppm)
Front Panel:	3 Indicator lights: • Green = Monitor is powered on. LED glows during normal operation; flashes when unit is in warm-up mode • Red = Alarm. LED flashes when any point has exceeded the alarm setting. • Yellow = Fault. LED flashes when there is a system fault
Size/Weight	12.23"H x 13.7"W x 4.96"D / 15 lbs.
Temperature Drift:	±0.3% of reading per degrees C
Sampling Mode:	Automatic or manual (hold)
Re-Zero:	Auto or on zone change
Response Time:	5 to 120 seconds – depending on air line length and number of zones
System Noise:	Less than 40dB(A) @ 10 feet
Monitoring Distance:	1,200 ft. maximum for combined length of sample + exhaust tubing (each zone)
Conditioned Signal:	Dual optional 4-20mAdc isolated outputs. Channel 1 = zone area, Channel 2 = PPM
Alarms:	Four SPDT alarm contacts are provided (rated 3A 250VAC) Three assigned to PPM level alarms, one assigned to system faults
Communications:	Full two-way communication with HGM-RD Display Module or Building Management System via RS-485 serial interface. RS-232C communication port standard
Power Safety Mode:	Fully automatic system reset. All programmed parameters retained.
Operating Temp:	32 to 122 °F (0 to 50 °C)
Ambient Humidity:	5% to 90% RH (non-condensing)
AC Power:	100 to 240 VAC, 50/60 Hz, 20 W
Certification:	UL 61010-1, CAN/CSA 22.2 No. 61010 & CE Mark
Warranty:	2 years from date of shipment
Altitude Limit:	6,562 ft (2,000 m)

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