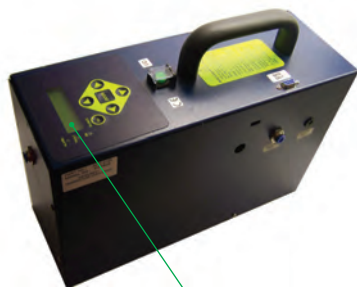


Bacharach® PGM-IR Portable Refrigerant Monitor



Portable Refrigerant Monitor That Finds Small Refrigerant Leaks Fast



Real-time ppm display

DESCRIPTION

The MSA Bacharach® PGM-IR offers superior performance and functionality for low ppm level leak detection of refrigerants, Carbon Dioxide, Nitrous Oxide or Sulfur Hexafluoride. A built-in library of over 50 refrigerants enables the PGM-IR to accurately detect the smallest leaks at their source. The unit is immune to sudden changes in temperature or humidity and to over-exposure. The PGM-IR requires no zeroing of positive readings with extended exposure to gas. It has a data logging capacity of up to 200 readings.

With its high flow rate, real-time ppm concentrations or TWA values are displayed instantly with corresponding audible tick-rate indicator to precisely pinpoint leaks. Rapid clearing time enables accurate ambient-air leak detection using the probe along a chiller or display-case. A re-zeroing algorithm and filter/bladder system allows the unit to be used in contaminated areas without affecting target gas readings. The rechargeable Li-ion battery provides a minimum of 8 hours of runtime for all-day usage.

Features

Benefits

1 ppm Minimum Detectable Level	Detect leaks that other instruments can't
Fast response time	Find leaks quickly, cut leak inspection times
50+ refrigerants accurately detected	High performance across multiple sites
Infrared sensor	Responds to target gas only, unaffected by temperature and humidity
Real-time ppm display	Quantifies leak to help easily find the source
Halogen, CO ₂ , N ₂ O and SF ₆ versions available	Accurate leak detection for multiple applications

Part Number	Description
3015-5696	PGM-IR Portable Area Gas Monitor - for halogen-based refrigerant gases
3015-8001	PGM-IR Portable Area Gas Monitor - for carbon dioxide
3015-4790	PGM-IR Portable Area Gas Monitor - for nitrous oxide
3015-5148	PGM-IR Portable Area Gas Monitor - for sulfur hexafluoride

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Product Attributes	Description
SENSOR	Long-life Non Dispersive Infrared (NDIR); 5-7 year life
REFRIGERANTS DETECTED	CFC, HFC and HCFC unit: CO2, FA188, FC72, HI211, HI233ZD, HI234YF, HI234ZE, HI301, H2402, HFP, R-11, R-113, R-114, R-12, R-123, R-124, R-125, R-134a, R-21, R-22, R-227, R-23, R-236fa, R-245fa, R-32, R-401A, R-402A, R-404A, R-407A, R-407C, R-407F, R-408A, R-409A, R-410A, R-422A, R-422D, R-424A, R-426A, R-427A, R-438A, R-448A, R-449A, R-452A, R-452B, R-500, R-502, R-503, R-507, R-508B, R-513A, R-514A, Novec 1230, 4710, 7100, 7200, 7300, 7600
MINIMUM DETECTABLE LEVEL	1 ppm (most refrigerant gases)
OTHER GASES AVAILABLE	Carbon Dioxide (CO ₂): 0 - 8,000 ppm in 1 ppm increments Nitrous Oxide (N ₂ O): 0 - 1,000 ppm in 1 ppm increments Sulfur Hexafluoride (SF ₆): 0-1,000 ppm in 1 ppm increments
RESPONSE TIME	T90 < 5 seconds; T100 < 7 seconds
WARM-UP TIME	CO ₂ and refrigerant gases: 5 minutes N ₂ O and SF ₆ : 15 minutes
FLOW RATE	1 L/min typical
POWER SUPPLY	Li-Ion rechargeable battery with battery life indicator
TEMPERATURE RANGE	32 to 122°F (0 to 50°C)
STORAGE TEMPERATURE RANGE	-4 to 122°F (-20 to 50°C)
OPERATING HUMIDITY RANGE	5 to 90% RH, non condensing
LEAK CHECK MODE W/ PROBE	Internal audible alarm, programmable; Visual alarm indicator
DIMENSIONS	8" x 19" x 5" (20.3cm x 48.3cm x 12.7cm)
WEIGHT	6 lbs 12 oz (3.07 kg)
WARRANTY	2 Years (excluding contamination)

Parts & Accessories

Part Number	Description
3015-5743	Rechargeable battery pack with charger
3015-5700	Replacement soft carrying case for all PGM units
3015-5847	Replacement battery charger (for 87 Wh battery 3015-5743)
0007-1654	PGM-IR internal hydrophobic filter
3015-3071	PGM-IR inline coalescing filter
3015-3125	PGM-IR charcoal purge filter assembly, for 3015-5696
3015-5714	PGM-IR charcoal filter replacement kit, for 3015-5696
0204-0020	Battery, coin cell, for main PCB