



Refrigerant Leak Detector

PGM-IR

FEATURES

Ultra-Sensitive Sensor
 Sensitive Probe Tip
 Padded Carrying Case
 Extreme Sensor Specificity
 Infrared sensor
 Real-Time ppm Display

BENEFITS

Low sensitivity down to 1 ppm
 Cut leak inspection times by up to 50%
 Durable in rugged conditions
 Immune to interfering gases
 Use in humid and extreme temperatures
 Easily locates leaks for pinpoint leak location

Our Most Powerful, Most Accurate Portable Refrigerant Detector



REAL-TIME PPM DISPLAY

DESCRIPTION

The 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 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.



COMMERCIAL



REFRIGERATION

TECHNICAL DATA

PRODUCT ATTRIBUTES	DESCRIPTION
Sensor:	Long-life Non Dispersive Infrared (NDIR); 5-7 year life
Refrigerants Detected:	CFC, HFC and HCFC unit: R-11, R-12, R-21, R-22, R-23, R-113, R-114, R-123, R-124, R-125, R-134a, R-227, R-236fa, R-245fa, R401a, R-402, R-402b, R-404a, R-407a, R-407c, R-408a, R-409a, R-410a, R-422a, R-422d, R-424a, R-426a, R-427a, R-438, R-500, R-502, R-503, R-507, R-508b, fa188, fc72, H1211, HFO-1234YF, H1301, H2402, HFP, N1230, R-32, HFO1234ZE, R-407f, Novec 7100, 7200, 7300, 7600
Range:	0 - 10,000 ppm; displayed in 1 ppm increments
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:	90% of response within 5 seconds; 100% within 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 AND 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

ORDERING INFORMATION

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

