



INDUSTRIAL REFRIGERANT LEAK DETECTOR



Infrared Technology Fewer False Alarms Fast Response Time

- Utilizes Infrared Technology for Detection ensures long sensor life and high accuracy
- Fewer False Alarms
 use of infrared technology enables response to refrigerants only
- Fast Response Time
 responds to leaks in less than 1 second
- **High Sensitivity** detects leaks as small as 0.01 oz/yr
- Internal Leak Source
 enables calibrations to be made quickly and easily
- Wide Assortment of Probe Options provides flexibility in your application
- 2 Year Warranty

H25-IR Industrial Refrigerant Leak Detector



The H25-IR is an industrial leak detector used for low-level detection and leak rate quantification of CFCs, HFCs, HCFCs, and halogen gas compounds that are used in air conditioning and refrigeration equipment, fire suppression systems, and various other residential, commercial and industrial apparatus. The instrument can be used to locate and quantify leaks as well as log and totalize the entire group of leaks in a system to ensure quality assurance compliance. The unit is capable of detecting 29 of the most commonly used refrigerants and halogen gas compounds. Additional gas-specific models are available for R-600a and SF₆.

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SPECIFICATIONS		
Gases Measured	CFC, HFC, and HCFC unit: R-11, R-12, R-22, R-23, R-113, R-114, R-123, R-124, R-134a, R-227, R-236fa, 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-2402, N-1230 Gas specific unit for R-600a (isobutane) Gas specific unit for SF6 (sulfur hexafluoride)	
Sensor	Infrared	
Measurement Units	oz/yr, g/yr, mL/s, PaM ³ /s, ppm	
Measurement Range	0.00 - 5.00 oz/yr	
Warm-Up Time	2 minutes	
Probe and Hose	•8" (20.3 cm) and 15" (38.1cm) flexible probes included •6' (1.8 m) hose, 12' (3.6 m), 15' (4.6m), and 18' (5.5m) hoses available	
Operating Modes	Search - detects presence and location of gas leaks Measure - calculates and displays leak rate	
Response Time	Less than 1 second (with 6' probe hose)	
Sensitivity	0.01 oz/yr	
Temperature Drift	$\pm 0.8\%$ of reading per °C	
Calibration	Internal: calibration performed using the unit's built-in internal leak source External: calibration performed using a customer supplied leak source of known gas type and leak rate	
Power	100 to 240 VAC, 50/60 Hz	
Power Consumption	15 Watts	
Dimensions	4"H x 10.75"W x 15"D (10.2 cm x 27.3 cm x 38.1 cm)	
Operating Temperature Range	32 to 122°F (0 to 50°C)	
Operating Humidity Range	5 to 90% RH, non condensing	
Storage Temperature Range	-4 to 122°F (-20 to 50°C)	
Weight	18 lbs. (8.2 kg)	
Warranty	Two year full warranty on instrument	

Ordering Information

The H25-IR instrument, along with its probe type and hose length, is ordered by specifying 3 codes. The codes must be listed in the following sequence:

Code A Model NameCode B Gas Type

Code C Probe Type and Hose Length

For example: To order an H25-IR that detects CFC type refrigerants; a Standard Probe with LED & Button; and a 6 foot hose, you would order an H25IR-1-3

H25-IR Instrument Probe Type & Hose Length Ordering Information

	CODE	DESCRIPTION
Code A	H25IR	Infrared Gas Leak Dectector
Code B	-1 -2	CFC, HFC, HCFC & Halogen Gases R-600a
	-2 -3	SF ₆
Code C	-1	Standard Probe, 6 foot Hose
	-2	Standard Probe, 12 foot Hose
	-3	Standard Probe, LED & Button, 6 foot Hose
	-4	Standard Probe, LED & Button, 12 foot Hose
	-5	Smart Probe, 6 foot Hose
	-6	Smart Probe, 12 foot Hose
	-7	Standard Probe, 15 foot Hose
	-8	Standard Probe, 18 foot Hose
	-9	Standard Probe, LED & Button, 15 foot Hose
	-10	Standard Probe, LED & Button, 18 foot Hose
	-11	Smart Probe, 15 foot Hose
	-12	Smart Probe, 18 foot Hose

Probes



Probe

Standard Probe Contains no buttons or visual feedback.



Standard Probe

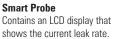
LED & Button

Standard Probe, LED & Button

Contains a button that can be configured to either zero the unit or switch between the instrument's search and measure modes. Also contains an LED that provides visual feedback. The LED can be configured to blink with increasing frequency as the measured leak rate increases or light steadily once a user defined threshold is reached.



Smart Probe



shows the current leak rate. Also contains an LED that can be configured for operation just as with the Standard Probe, LED & Button. The probe also has a keypad that is identical to the one on the H25-IR's front panel, enabling all of the instrument's functions, setups and features to be accessed via the probe.



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Technical Training for Heating & Cooling

ISO 9001:2000

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