

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

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# Bacharach® H-10 PRO Leak Detector

Ultra-sensitive Portable Refrigerant Leak Detector



## DESCRIPTION

The MSA Bacharach® H-10 PRO is a highly responsive universal refrigerant leak detector using Bacharach's tried-and-true heated diode sensor technology. It's ultra-sensitive to all halogen-based, non-flammable CFC, HFC and HCFC refrigerants for reliable use in a wide range of refrigerant leak detection applications.

The H-10 PRO has a long probe (4.5 ft./1.4 m) for detecting leaks in hard-to-reach areas, visual and audible indicators to show relative leak sizes and an auto-zeroing feature (automatic mode only) for finding leaks in backgrounds where target gas is present. It has an internal sensor calibration reference to ensure optimum performance and comes with a 3 year warranty.

## Features

Detects all CFC, HFC and HCFC refrigerants as low as 0.006 oz/yr, including R-410a and R-507

Dual power options allow battery operation for the best mobility or wall power for uninterrupted usage

Visual and audible indicators include an incremental flashing LED in the probe tip, an internal speaker and a headphone jack

Part Number	Description
3015-8004	H-10 PRO with shoulder strap, spare filters, wall adapter/charger with N. American plug and instruction manual
3015-8005	H-10 PRO with shoulder strap, spare filters, wall adapter/charger with N. American, European, UK and Australian plugs and instruction manual

## Accessories & Parts

Part Number	Description
3015-0119	100-240 VAC wall adapter, N. American and international plugs
3015-5812	100-240 VAC wall adapter, N. American plug
3015-0326	Flexible probe extension (14 in. / 35.6 cm)
3015-0486	Replacement sensor
3015-0781	Tune-up kit (sensor, 100 filters, 3 airflow balls, 3 rubber probe tips, and calibration bottle)
3015-0864	Replacement calibration reference bottle
3015-0895	Battery clamps with cigarette adapter (allows H-10 PRO to be operated from a car battery)
0028-0002	Headphones (w/ volume control)

# Bacharach® H-10 PRO Leak Detector



Product Attributes	Description
REFRIGERANTS DETECTED <sup>[1]</sup>	All CFC, HFC and HCFC refrigerants, including but not limited to: R-12, R-22, R-32, R-134a, R-1233zd, R-404A, R-410A, R-452B, R-454A, R-454B, R-454C, R-455A, R-502, R-507, HFO-1233zd, HFO-1234yf and HFO-1234ze
SENSITIVITY <sup>[2]</sup>	0.006 oz/yr (stationary) 0.1 oz/yr (moving per SAE J2791)
RESPONSE TIME	1 second
LEAK INDICATORS	Visual (red LED in probe tip) and audible (via internal speaker or headphones)
AUTOMATIC BACKGROUND ADJUSTMENT	Yes, in automatic mode
POWER	12 VDC internal rechargeable battery or via 100-240 VAC wall adapter/charger
RUN TIME	3 hours (typical) on fully-charged battery
RECHARGING TIME	3-4 hours with wall adapter (included)
DIMENSIONS	Unit: 8.3 × 10.5 × 5.4 in. (21.1 × 26.7 × 13.7 cm) Probe: 4.5 ft. (1.37 m)
WEIGHT	5.1 lbs. (2.3 kg)
SENSOR TYPE	Heated diode
SENSOR LIFE <sup>[3]</sup>	1 year (typical)
FLOW RATE	90 cc/min @ small setting (typical)
OPERATING CONDITIONS	32 to 104 °F (0 to 40 °C), 10 to 90% RH (non-condensing), 1 ATM
WARM-UP TIME	2 minutes (approximate)
APPROVALS	CE mark
WARRANTY	3 years (does not include sensor, filters, reference leak bottle, battery or probe)

<sup>[1]</sup> A2L and A3 safety testing was conducted in accordance with FM Technical Decision Form TD 221.

<sup>[2]</sup> Sensitivity for R-12, R-22, R-124a, R-410A, R-404A and R-507 when unit is set to small leak setting, manual mode.

<sup>[3]</sup> Based on normal use. Consistent and/or constant exposure to high levels of refrigerant will deteriorate the sensor life more quickly. Increasing the sensor heater will also impact sensor life.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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