RLD-H10PM Refrigerant Leak Detector Catalog Page

LIT-1927370

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Description

The RLD-H10PM is a professional grade leak detector for use by refrigeration and air conditioning technicians. This detector senses all CFC, HCFC, and HFC refrigerants and blends, such as R12, R502, R22, R404a, R507, R134a and R410A, among others. The RLD-H10PM is self-powered with a rechargeable battery and provides both manual and automatic compensation for background levels of refrigerant. A full line of accessories and maintenance kits are also available, including replacement sensors, tune-up kits, probe extensions, battery chargers, and leak vial bottles. The RLD-H10PM is a direct replacement for the RLD-H10P.

Features

- positive ion emission heated diode sensor provides the most sensitivity available today, while still detecting all halogenated refrigerant gases
- rechargeable battery with low and full charge LEDs enhances portability—no external power required
- switchable for manual or automatic balance to allow user to chose preferred method of compensation for background refrigerant levels
- exceeds SAE J1627 moving probe specification, which minimizes call-backs because the leak is found the first time, is verifiable, and the fix can be confirmed
- external calibration source and calibration indicators indicate when the sensor is working properly and serves as a reference point to judge leak size

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Selection chart

For repair information, contact Johnson Controls application engineering at (414) 524-5535.

Code number	Description
RLD-H10PM-1	Refrigerant leak detector and charger

Accessories

Table 1: RLD-H10PM Refigerant Leak Detector accessories

Code number	Description
RLD-H10-100	14 inch flexible probe extension
RLD-H10-101	120 VAC power supply adapter
RLD-H10-102	Cigarette lighter adapter
RLD-H10-103	Replacement battery charger
RLD-H10-104	Replacement battery pack recharger (included in RLD-H10-105)
RLD-H10-105	Rechargeable 12 V battery belt pack
RLD-H10-600R	Tune-up kit includes: sensor, 100 filters, 3 airflow indicator balls, 3 probe tips and leak vial
RLD-H10-601R	Replacement sensor
RLD-H10-602R	Maintenance kit includes: 100 replacement filters, 3 airflow indicator balls, and 3 probe tips
RLD-H10-603R	Replacement leak vial
RLD-H10-604R	Replacement internal battery for RLD-H10P
RLD-H10-606R	Replacement clear plastic probe tip
RLD-H10-607R	Replacement probe assembly

RLD-H10PM Refrigerant Leak Detector technical specifications

Table 2: RLD-H10PM Refrigerant Leak Detector technical specifications

Specification		Description
Power requirements		12 VDC, charger 13.5 VDC. An adaptor is available to allow unit to run from 120 VAC power (RLD-H10-101).
Sensing element type		Positive Ion Emission Heated Diode
Approximate sensitivity	Switch position	Alarm Sensitivity (moving probe)
	Small	>0.05 oz per year CFC and HCFC >0.5 oz per year HFC
	Medium	>0.5 oz per year CFC and HCFC >1.0 oz per year HFC
	Large	>2.0 oz per year CFC and HCFC >5.0 oz per year HFC
Leak alarm		Audible alarm, visible neon lamp
Response time		Approximately 1 second

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Table 2: RLD-H10PM Refrigerant Leak Detector technical specifications

Specification	Description
Warmup time	Approximately 2 minutes
Accuracy	Meets SAE J1627 test requirements
Probe length	Approximately 4.5 ft (1.4m)
Ambient operating conditions	32 to 104°F (0 to 40°C); 5-90% RH, non-condensing
Ambient storage conditions	14 to 140°F (-10 to 60°C); 5-90% RH, non-condensing
Case	Rugged high-density polyethylene
Dimensions (H x W x D)	5.5 x 10.5 x 8.5 in. (140 x 267 x 216 mm)
Shipping weight	5 lb (2.3 kg)

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

Single point of contact

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