

RLD-H10PM

Refrigerant Leak Detector



RLD-H10PM Refrigerant Leak Detector

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, and R134a 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

Repair Parts

Contact Johnson Controls application engineering at (414) 524-5535 for repair information.

To Order

Specify the code number from the following selection chart.

Selection Chart

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

Specifications

RLD-H10PM Refrigerant Leak Detector									
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	<table border="1"> <thead> <tr> <th>Switch Position</th> <th>Alarm Sensitivity (moving probe)</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td>>0.05 oz per year CFC and HCFC >0.5 oz per year HFC</td> </tr> <tr> <td>Medium</td> <td>>0.5 oz per year CFC and HCFC >1.0 oz per year HFC</td> </tr> <tr> <td>Large</td> <td>>2.0 oz per year CFC and HCFC >5.0 oz per year HFC</td> </tr> </tbody> </table>	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
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Leak Alarm	Audible alarm, visible neon lamp								
Response Time	Approximately 1 second								
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)								
Agency Listings	UL and cUL Listed, File SA9717 CE Approved								

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	Spare battery for RLD-H10P
RLD-H10-606R	Replacement clear plastic probe tip
RLD-H10-607R	Replacement probe assembly