

LDC-4000 **COMBUSTIBLE GAS AND** **HC REFRIGERANT LEAK DETECTOR**

OPERATING INSTRUCTIONS

DETECTS ALL HYDROCARBON & OTHER COMBUSTIBLE GASES



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INTRODUCTION

Thank you for buying the JB Industries LDC-4000 Combustible Gas and HC Refrigerant Leak Detector. For optimal LDC-4000 performance, read this manual carefully before use.

The LDC-4000 features a long life heated sensor technology that is designed to detect all combustible and HC refrigerants including Methane (R-50) Propane (R-290) Butane (R-600), Acetylene, Alcohol, and Gasolene.

The LDC-4000's leak detector takes the guesswork out of whether or not to repair a small leak with an audio alarm allowing the precise pinpointing of the leak source.

The LDC-4000 does not require rechargeable batteries.

FEATURES



Long life, solid state heated sensor



Methane sensitivity <5 ppm



Automatic calibration and reset to ambient



Intrinsically Safe Certified



Uses 4 AA alkaline batteries



2-year warranty including 2 years for the sensor



Comfortable sanoprene grip



Low battery sensor



CE Certified



Made in USA, with global materials

PARTIAL LIST OF DETECTABLE GASES

- METHANE (R-50)
- PROPANE (R-290)
- ETHANE (R-170)
- BUTANE (R-600)
- HYDROGEN
- ETHYLENE
- ETHANOL
- ISO-BUTANE
- NOL
- GASOLINE
- ACETYLENE
- METHYL ETHER
- AMMONIA
- H. SULFIDE
- INDUSTRIAL SOLVENTS
- BENZENE
- ALCOHOLS
- ACETONE
- TOLUENE
- XYLENE


For the full list of detectable gases visit www.jbind.com and search for LDC-4000



LDC-4000 CONTROL PANEL

OPERATING INSTRUCTIONS

1 TURN ON:

Press the ON/OFF button  once to turn on the LDC-4000 and again to turn off

2 WARM UP:

The detector automatically starts heating the sensor. Warm up is usually less than 10 seconds.

3 READY:

The detector is ready to begin searching for leaks when the audio "beep" increases in frequency.

4 DETECTION:

If a leak exists, the sound will increase in rate and pitch.

NOTE: *The leak detector responds to changes in gas concentration. When detection occurs, move the probe away from the source and back again to confirm the leak source. The detector alarm will reset if the probe is held fixed at the source.*



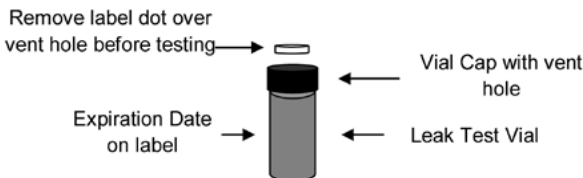
LEAK TEST VIAL

The leak detector comes with a Leak Test Vial that allows the user to make sure the detector is performing properly. Check the expiration date before testing the leak detector.

NOTE: *The expiration date of the test vial is 15 months (label on the vial). After removing the seal over the small hole in the cap, it reduces to 12 months.*

TO TEST:

- 1 Remove the colored label dot in the center of the screw cap to expose the vent hole in the top of the screw cap. (see figure below).
- 2 Turn on the detector and allow the unit to complete the warm up cycle.
- 3 Place the sensor close to the small hole in the top of the Leak Test Vial. The beep rate should increase indicating that the sensor and electronics are working properly.



NOTE: *Replace the Test Vial back in nylon bag when not in use to extend the shelf life. Replace Test Vial when the green color is less than 1/4 full or at the time of the expiration date*



MAINTENANCE



GETTING STARTED

INSTALLING BATTERIES:

Remove screw located at the center area of the bottom housing and remove battery door as shown. Always insert all 4 batteries into the battery compartment in the same direction.

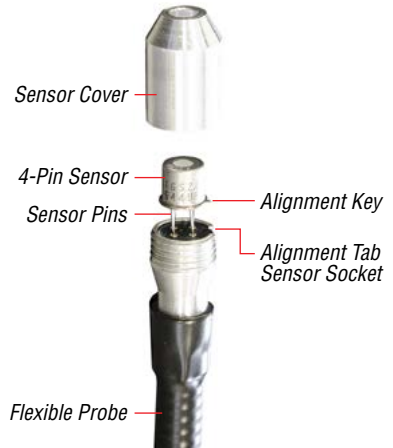
NOTE: *Note the polarity mark on the inside of the battery door for proper battery installation.*

REPLACING SENSOR:

Remove sensor by unscrewing sensor cover. Install the new sensor by aligning the notch in sensor socket with the raised tab on socket holder (see figure below).

NOTE: *Do not force sensor into socket. Misalignment can damage the sensor pins.*

- 1 Unscrew cover to replace sensor.
- 2 Push straight on (do not twist) to install sensor.



LOW BATTERY INDICATOR

Replace the 4 AA Alkaline batteries when the red LED on the front of the instrument is lit. Follow the battery installation instructions under the MAINTENANCE section.



REPLACEMENT PARTS

ITEM	PART NO.
Sensor	LDC-S101
Sensor Cover	LDC-S102
Test Vial	LDC-TV
Carrying Case	LDC-CS

PRODUCT SPECIFICATIONS

Model #	LDC-4000
Name	Combustible Gas and HC Refrigerant Leak Detector
Sensitivity	<5 ppm Methane
Sensor Life	> 300 hours
Response Time	Instantaneous
Power Supply	4 AA Alkaline batteries
Battery Life	20 hours continuous
Warm up time	< 10 seconds
Probe length	17 inches
Weight, lbs	1.5 lbs
Warranty	2 years (2 yrs for sensor)

CUSTOMER SUPPORT

For additional questions or assistance, contact JB Industries.
+1.800.323.0811 or **sales@jbind.com**

WARRANTY POLICY

The **LDC-4000 Combustible Gas and HC Refrigerant Leak Detector** is warranted to be free of defects in materials and workmanship for a period of two years from the date of purchase. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use including unauthorized opening of the unit.

REPAIR RETURN POLICY

Every effort has been made to provide reliable, superior quality products. However, in the event that the instrument needs repair, for units still under warranty return to the wholesaler from whom the device was purchased. The wholesaler should contact customer service **800.323.0811** to request an RGA # and include all necessary documentation.

For units out of warranty, the user is asked to call customer service at **800.323.0811** to determine estimates for repair.



For a list of all of JB Industries leak detectors, vacuum pumps, access valves, and more visit www.jbind.com



LDC-4000

COMBUSTIBLE GAS & HC REFRIGERANT
LEAK DETECTOR



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