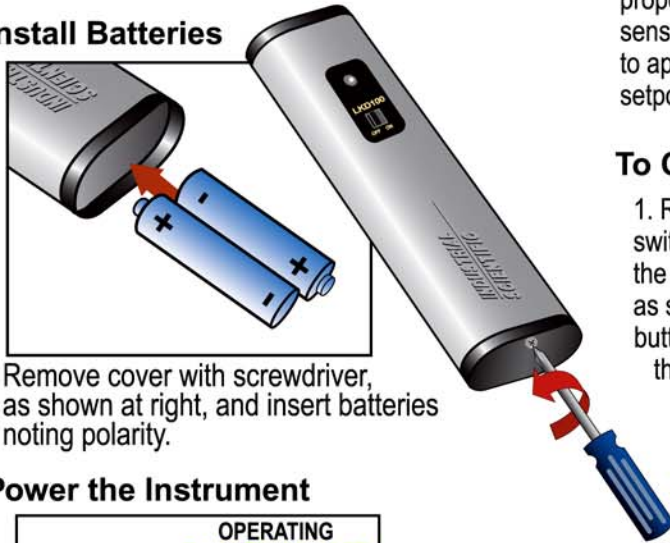


OPERATING INSTRUCTIONS



COMBUSTIBLE LEAK DETECTOR

1. Install Batteries



Remove cover with screwdriver, as shown at right, and insert batteries noting polarity.

2. Power the Instrument



After displaying a solid red LED when powered on, the LKD100 should display a flashing green LED to signal the unit is active and operating properly.

3. Alarm Indicators

Alarm: Pulsed Tone / Red LED

The unit detects combustible gas. The frequency of the tone increases gradually as the combustible gas concentration increases.

Low Battery Warning:

A short, audible beep is heard once every 30 seconds when battery power is low. Typical battery life is up to 8-hours of continuous operation.

Testing and Calibrating the LKD100

The LKD100 should be tested with a concentration of gas greater than the alarm setpoint to verify proper operation. The unit should also be tested any time the instrument has been dropped or if there is any evidence of physical damage that may indicate that the unit is not functioning properly. The LKD100 uses a pre-set rapid response sensor which does not require calibration unless you want to apply new alarm setpoints. The factory default alarm setpoint is 500 ppm (parts per million).

To Calibrate New Alarm Setpoints

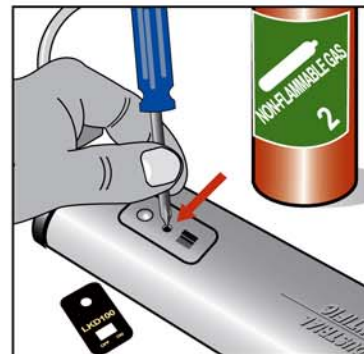
1. Remove the black switchplate cover from the front of the instrument as shown. The calibration button is located between the LED and the on/off switch.



2. Apply a concentration of combustible gas to the monitor that is equal to the desired alarm setpoint for approximately one minute.



3. With the calibration gas applied, press and hold the calibration button using the tip of a small screwdriver, pen or paper clip for one second and then release. You will hear a short beep and the green/red LED will flash once. Remove the calibration gas. The new setpoints have been applied. Reapply switchplate cover to its original position.



The LKD100 from Industrial Scientific Corporation is designed for reliable detection of combustible gases and is covered under a 90 day warranty from the date of purchase. If you have questions or experience any problems with the operation of the LKD100, please contact our technical support group.



Part Number: 1810-4620

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Industrial Scientific offers a wide selection of calibration gases, tubing and regulators necessary for optimum monitor performance. Supplies available for the LKD100 include:

1810-5098 Calibration gas - 500 ppm methane
1709-5084 Switchplate cover
1700-7592 Flexible tubing
1810-5106 Calibration gas - 1,000 ppm methane
1810-5114 Calibration gas - 10% LEL methane
1810-0933 Flow regulator

Contact your local distributor or Industrial Scientific for specific details and pricing information.