

LEAKATOR®JR.
Combustible Gas Leak Detector

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easy-to-use
reliable
one button operation



Please fill out the front of the Warranty Card
to register your product.

Features:

- **Compact Gas Leak Detector** - The Leakator Jr. detects and pinpoints combustible gas leaks in commercial, residential, and industrial applications, including surveying gas pipelines, and inspecting valves, regulators, and meters on gas equipment.
- **Wide Variety of Combustibles Detected** - Acetone, Acetylene, Benzene, Butane, Ethanol, Ethylene Oxide, Gasoline, Hexane, Hydrogen, Industrial Solvents, Iso-Butane, Methane, Methanol, Paint Thinners, Propane, Natural Gas, and Naptha.
- **Compact and Ergonomic Design** - Simple one button control allows the user to hold and operate the instrument in one hand. The flexible probe with sensor located at the tip allows leaks to be found in tight spaces.
- **Leak Indication** - The relative concentration of the gas present is indicated by the frequency of the audible and visual alarms.
- **Automatic Calibration** - The instrument automatically calibrates itself during warmup when turned on in fresh air.
- **Selectable Sensitivity** - High and low sensitivity mode selectable by a double press of the On / Off button. Pinpoints concentrations as small as 20 ppm in the high-sensitivity mode.
- **Power** - Four disposable AA alkaline batteries provide a minimum of 14 hours of operation. A low battery indicator warns the user when the batteries need replaced. The instrument will also automatically turn itself off after a period of non-use to preserve battery life.
- **UL Classified** - for use in Class I, Division 1, Groups A, B, C, and D hazardous locations.
- **Sensor Error Indicator**
- **Low Power Metal Oxide Sensor**
- **Microprocessor Controlled Circuitry**



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

SPECIFICATIONS

Package Contents	Leakator Jr. instrument housed in a four piece molded ABS plastic case including 4 AA batteries, cloth case, sensor, and instruction manual.
Power	Four AA alkaline batteries, 14 hours typical life for continuous operation
Warm-up Time	Automatic, self check, about 60 seconds to operational condition
Sensor	Low power metal oxide sensor
Probe	Self storing 12 inch flexible probe
Sensitivity (Methane Based)	20 ppm in high-sensitivity mode 50 ppm in low-sensitivity mode
Status Indicators	Visual: Red, Orange and Green LED's. Audible: Variable speed beeping sound.
Environments	32° to 104°F (0 to 40°C)
Dimensions	6"H x 2"W x 1.5"D
Weight	Less than 6 oz. with battery
Safety Approvals	UL Classified for use in Class I, Division 1, Groups A, B, C, and D hazardous locations
Warranty	Two years full warranty on instrument

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Website: www.bacharach-inc.com E-mail: help@bacharach-inc.com Phone: 1-800-736-4666

19-9335 Rev. 0 10/01/04

2 year warranty



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Testing For a Gas Leak

1. Turn instrument ON and allow it to warm up (approximately 60 seconds).
2. The instrument is ready to check for gas leaks after the audible alarm begins to beep. Note that the instrument starts in its high-sensitivity mode.
3. Check for the presence of gas by positioning the tip of the flexible probe near the area to be tested.
4. An increase in the relative concentration of gas is indicated by the visual alarm LED blinking faster and the audible alarm's beep rate increasing.
5. Once the presence of the gas has been confirmed, the instrument's sensitivity can be lowered by double pressing the ON/OFF button (a decreasing frequency tone should be heard), allowing the location of the leak to be easily pinpointed.

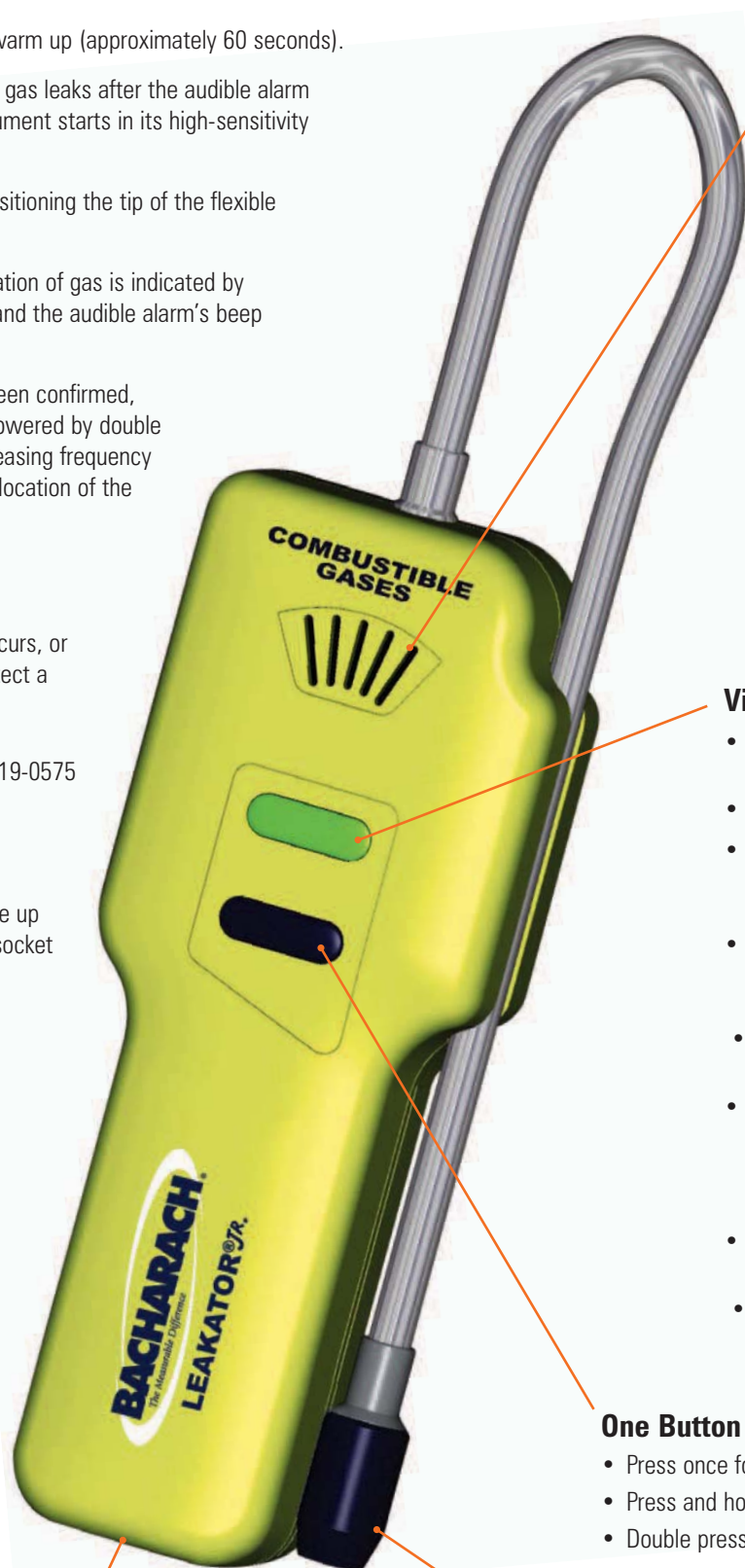
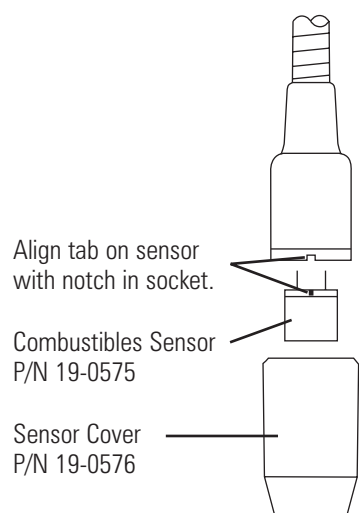
Replacing the Sensor

Replace the sensor if a sensor error occurs, or when the instrument can no longer detect a known source of combustible gas.

Material Required:

Sensor P/N 19-0575

1. Turn instrument OFF
2. Pull off sensor cover
3. Pull out old sensor and discard
4. Plug in new sensor, being sure to line up tab on sensor with notch in sensor socket
5. Install sensor cover



Audible Alarm

- **Instrument Ready** - Slow beep. The beep rate is about once per second with no gas detected.
- **Combustible Gas Indication** - Beeps at a rate that increases with the gas concentration.
- **Sensitivity** - Produces an *increasing frequency* tone when sensitivity changes from low to high, and produces a *decreasing frequency* tone when sensitivity changes from high to low.
- **Dead Batteries** - High frequency tone, followed by the instrument turning itself OFF.
- **Sensor Error** - Rapidly changing high and low frequency tones.

Visual Alarm LED

- **Power ON** - Rapidly flashes green during warm-up (approximately 60 seconds).
- **Power OFF** - Glows red.
- **Instrument Ready** - Slowly flashes green. The flash rate is about once per second with no gas detected.
- **Combustible Gas Indication** - Flashes green at a rate that increases with the gas concentration.
- **Sensitivity Change** - Color changes from red to green.
- **Low Battery** - Flashes orange instead of green when checking for gas leaks. Typically 1 hour of operation left after low battery. Change batteries as soon as convenient.
- **Dead Batteries** - Glows red, followed by the instrument turning itself OFF.
- **Sensor Error** - Flashes alternating green and red.

One Button Control

- Press once for half second to turn instrument ON.
- Press and hold for 2 seconds to turn instrument OFF.
- Double press to toggle sensitivity between high and low.



Residential Combustion Analyzer

Sling Psychrometer

Gas Burner Testing Kit

Dual Purpose Leak Detector



Warranty Card

Register your product warranty by mail. Simply fill out the form below and return. Your instrument purchase will be registered with BACHARACH.

Name _____		
Title _____	Company _____	
Address _____		
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Phone _____	Fax _____	
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Product Purchased _____	Part No. _____	Serial No. _____
Date Purchased _____	Purchased From _____	City / State _____

1. What can Bacharach do to better serve you? _____

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