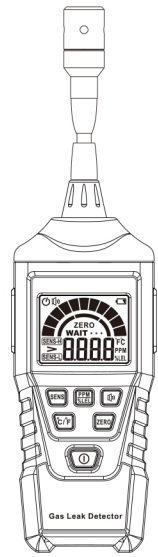


Gas Leak Detector



⚠ Before using the instrument, please read this manual carefully, and save it well for future using.

Product description

Hand-held combustible gas leak detector is capable of finding combustible gas leaks in pipes, fittings, regulators, etc. Additional features include the capability to display %LEL, or PPM. And display ambient temperature in degrees Celsius or Fahrenheit

SAFETY CONSIDERATIONS

WARNING: Please follow manufacturers test procedures whenever possible. Do not place the sensor cage located on the end of the

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gooseneck on hot or in hot locations.

GENERAL GUIDELINES

ALWAYS

- Turn the meter on in a “clean air” environment away from the test location.
- Inspect the sensor cage to ensure it is securely attached.

NEVER

- Place the meter or sensor cage in or on a hot item.

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MEASUREMENT TECHNIQUES

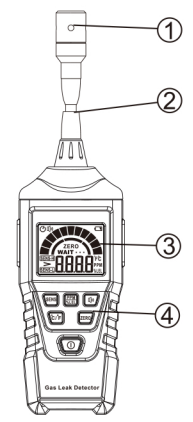
Controls and Functions:

Push Buttons:

- Turns the meter on and off
- Select high or low sensitivity alarm.
- Concentration measurement or selection of concentration units
- Audible alarms turn on or off
- Temperature measurement or selection of temperature units
- Zero Open or Close

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Instrument Layout



- ① Sensor cage containing the sensor
- ② Gooseneck
- ③ Display
- ④ Keypad

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Measurement Procedure

WARNING! Turn on the meter in a “clean air” environment away from the test area. Failure to do so may cause the meter to display error.

- 1) Turn the meter on by pressing the key. The meter will begin a 30 second countdown. During this countdown the sensor is being self-tested and set to zero.
- 2) After the countdown is complete the meter will display “00.00” and enter to normal operation.
- 3) Enter the area and begin testing. As

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a leak is found the concentration will be displayed on the LCD in %LEL or PPM (Press key to switch).

- 4) To locate the source of a leak, move along the pipe, fitting, etc. being tested.
- 5) If the leak concentration is above the alarm level the alarm will sound

Additional Features Alarm Level Adjustment

Adjusting the alert sensitivity level can be set by the key.
SENS-H: Alarm from 1.00%LEL (500PPM)
SENS-L: Alarm from 10.00%LEL (5000PPM)

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Auto Power Off

No operation, no detection concentration will automatically shut down after 10 minutes

The auto power off feature can be enabled or disabled as required:
 Hold down the key and then turn on the meter, will cancel the automatic shutdown.

Reboot, will resume automatic shutdown

Unit select


Press key to switch PPM or %LEL


Mute

Press key to turn on or off audible alarm

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Temperature display

Press the  key to display the temperature, and then press to switch the temperature unit.

Press  key to return concentration measurement

ZERO

Press  key to zero.

TECHNICAL DATA

Features and Benefits

Auto Zero: Automatically sets the sensor to zero at start up.

%LEL: Displays the percentage lower explosive limit (LEL)

PPM: Displays the amount of leakage in parts

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per million (PPM)

Auto Off: When enabled, the meter turns off after approximately 10 minutes to save battery life.
Can be disabled.

Product Applications

Perform the following tests and measurements with the Combustible gas leak detector:

- Locate combustible gas leaks in joints and fittings.
- Determine Lower Explosive Limit percentage.
- Determine the combustible gas leak

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level in ppm (parts per million).

Specifications

Leak Detection Sensitivity (methane):
Approx.50ppm

Gases Detected (partial listing):
Acetone, Acetylene, Alcohol, Ammonia, Benzene, Butane, Ethanol, Ethylene Oxide, Gasoline, Hexane, Hydrogen, Methane, Naphtha, Natural Gas, Paint Thinners, Propane, Solvents, etc.

Display Type: Reverse Display

Ranges:
%LEL: 0 to 20.00%;
Real PPM: 0 to 9999ppm

Accuracy: +/-10%F.S. (Methane)

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Alarm Indication: Visual and audible

Auto Zero: Automatic at start up

Operating conditions:
0 to 50°C / 20 to 80%RH

Battery: 3x1.5V AAA Alkaline batteries

Maintenance

Battery Replacement

Release battery cover with screwdriver. Replace batteries (3 x 1.5V AAA alkaline) and reattach the cover.

Sensor Replacement

Turn the meter off. Turn the sensor cage counter clockwise and remove it. Unplug the old sensor and discard. Replace sensor and sensor cap

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Cleaning

Use a mild detergent and slightly damp cloth to clean the surfaces of the meter. For factory service please return to seller

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