

# Combustible Gas Leak Detector

720b



**The Value Leader™**

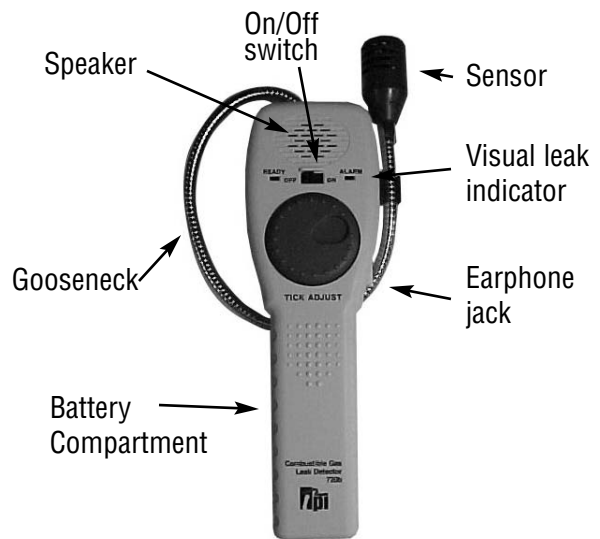
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## Specifications

Power Supply:	2 "C" Alkaline Batteries
Sensor:	Solid State
Sensitivity:	10 ppm Methane
Warm up:	Approx 1 minute
Response time:	Instantaneous
Duty Cycle:	Continuous
Battery Life:	Approx. 30 hrs.
Size:	3.0" x 9.5" x 1.75" (77 x 240 x 47) mm
Weight:	1.1 lbs (500g)
Probe Length:	16" (406mm)



## Standard Accessories

Sensor:	A739
Instruction Manual:	720b Instruction Manual
Soft Pouch	A700

## Optional Accessories

Hard Case	A714
Earphone	A710

## General Description

The 720b is an advanced state-of-the-art leak detector capable of detecting many combustible, noncombustible and toxic gases.

The following is a partial list of gases that the 720b is sensitive to:

Acetone, Alcohol, Ammonia, Steam, Carbon Monoxide\*, Butane, Gasoline, Jet Fuel, Hydrogen Sulfide, Smoke, Industrial Solvents, Methane, Lacquer Thinner, Naphtha, Propane, Natural Gas.

\*Not to be used to quantify the amount of CO present.

## Operating Instructions:

1. Turn the unit on in an uncontaminated environment (clean air away from the system in question) by moving the switch from the OFF position to the ON position.
2. The GREEN ready light will illuminate if there is ample battery power. The RED LED may flicker and the tick may sound during the warm-up. To silence the tick, rotate the thumb wheel fully counterclockwise.
3. Adjust the TICK ADJUST by rotating the thumb

wheel in a clockwise direction until a uniform ticking sound is heard. The RED light will flash at the same time the tick sounds.

4. Approach suspected leak areas with the sensor until the tick begins to increase. When the tick increases, do not move the sensor from the area, rotate the TICK ADJUST slightly counterclockwise to slow the ticking and continue to approach the suspected leak area with the sensor. Continue to slow the tick until the location of the leak is found. If the tick stops, the concentration level has decreased. Move back in the opposite direction to find the leak again.
5. If the GREEN LED changes to orange color, change the batteries.
6. An earphone can be plugged into the earphone jack when using the instrument in noisy environments.
9. If the instrument does not perform or it has been damaged, follow the Operation Check section of this manual.

## Battery Replacement

1. Remove the battery compartment cover from the bottom of the handle by sliding the door away from the front side of the instrument.
2. Remove the batteries and replace by sliding the

negative (-) end of the batteries in first.

3. Replace the battery cover by sliding the door into the slots provided in the handle and allow it to snap into place.
4. For best performance use quality alkaline batteries.

### **Operation Check**

To verify the operation of the 720b simply turn the unit on and allow it to warm up for approximately 1 minute. Expose the sensor to a known gas source such as an unlit butane lighter. The tick should increase when the gas is applied.

The tick will decrease when the gas is removed. If the unit fails to respond, the sensor may need replacing or the unit may need to be sent in for repair:

**CAUTION:** This unit must be sent to a factory authorized repair center for all repairs.

### **Sensor Replacement**

1. Turn the 720b off.
2. Pull off the sensor cap.
3. Unplug the old sensor and discard.
4. Replace sensor and sensor cap.
5. Turn on unit and perform "Operation Check"

### **Warranty and repair/exchange policy**

Your TPI 720b is warranted to be free from defects in materials and workmanship for a period of one year after purchase (excluding sensor, calibration and batteries). If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at our option. This warranty covers normal use and does not cover damage which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. A purchase receipt or other proof of original date of purchase will be required before warranty performance will be rendered. Instruments out of warranty will be repaired for a service charge. Return the unit postpaid and insured to:

Test Products International, Inc.  
9615 SW Allen Blvd.  
Beaverton OR 97005  
(503) 520 9197

This warranty gives you specific legal rights and you may also have other right which vary from state to state.



750a Instruction Manual

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