

## Refrigerant Leak Detector

753



The Value Leader™  
[www.tpi-thevalueleader.com](http://www.tpi-thevalueleader.com)

**T**  **USA**  
**Equipment**  
**.NET**  
An Interworld Highway, LLC Company

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## Specifications

Power Supply:	2 "C" Alkaline Batteries
Sensor:	Conductive Polymer Ionization (CPI)
Sensitivity:	Selectable to 0.2 oz/yr 134a
Warm up:	Approx 2 seconds
Response time:	Instantaneous
Duty Cycle:	Continuous
Battery Life:	Approx. 30 hrs.
Size:	3.0" x 9.5" x 2.28" (77 x 240 x 58) mm
Weight:	1.1 lbs (500g)
Probe Length:	16"

## Accessories

### Standard Accessories:

Sensor:	A712
Instruction Manual:	753 Instruction Manual
Soft Pouch	A700

### Optional Accessories:

Soft Case w/strap	A755
Earphone	A710
Test vial	A713

## General Description

The TPI 753 is a state-of-the-art refrigerant leak detector capable of detecting all halogen based gases. Selectable sensitivity combined with audio and visual leak indicators will allow any service professional to pinpoint those tough to find leaks even in contaminated environments.

## Operating Instructions:

1. Turn the unit on in an uncontaminated environment pressing the ON/OFF button.

2. All LED's will illuminate YELLOW indicating automatic zeroing at start up. The GREEN ready light will then illuminate if there is ample battery power. If the GREEN light flashes RED it is necessary to change the batteries.
3. Approach suspected leak areas with the sensor until the tick begins to increase. When the tick increases and the LED's illuminate showing only RED in color, do not move the sensor from the area, press the RESET button and wait approximately 2 seconds for a stable tick to begin again. The LED's will illuminate from GREEN to RED indicating up to 14 levels of leakage. When all RED LED's appear the leakage is at its maximum level. The RESET button must be pressed again.
4. To find very small leaks use the same procedure as listed in paragraph 4, but use the "Sen HI" mode. When this is selected all 7 RED LED's will illuminate momentarily and the tick will be faster prior to the GREEN ready light being illuminated.
5. To reduce sensitivity press the "Sen LO" button. When this is selected 4 RED LED's will illuminate prior to the GREEN ready light being illuminated.
6. If the left GREEN LED flashes between GREEN and RED, change the batteries.
7. An earphone can be plugged into the earphone jack when using the instrument in noisy environments.
8. If the tick is erratic, check the sensor for tightness and cleanliness. Cleaning the sensor with alcohol is permitted as long as the instrument is turned off.
9. If the instrument does not perform, replace the sensor. Sensor replacement is recommended annually.
10. To turn off press and release the ON/OFF button.

### **Battery replacement**

1. Remove the battery compartment door 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 door by sliding the door into the slots provided in the handle and allow it to snap into place.
4. For best performance use a quality alkaline battery.

### **Sensor Replacement**

Replace the sensor when:

- The tick is erratic.
- There is reduced sensitivity.

To replace the sensor:

1. Turn the unit off.
2. Remove the old sensor by unscrewing in a counterclockwise direction.
3. Install the new sensor by screwing in a clockwise direction until finger tight.
4. Do not change the sensor in a hazardous environment

**Warning: Turn unit off before cleaning or replacing the sensor. Failure to do so may result in a mild electrical shock.**

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

Your TPI 753 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.



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753 Instruction Manual

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