

Refrigerant Leak Detector

755



The Value Leader™

www.tpi-thevalueleader.com

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Specifications

Power Supply:	2 "C" Alkaline Batteries
Sensor:	Conductive Polymer Ionization (CPI)
Sensitivity:	Selectable to 0.1 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:	A721
Instruction Manual:	755 Instruction Manual
Soft Case w/Strap	A755

Optional Accessories:

Earphone	A710
Test vial	A713

General Description

The TPI 755 is a state-of-the-art refrigerant leak detector capable of detecting all halogen based gases. The internal diaphragm pump and unique sensor design provide fast and reliable gas sensing. Selectable sensitivity combined with audible 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. Both the pump and the tick will start.
2. All LED's will illuminate YELLOW indicating auto-

matic 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 increase the sensitivity by pressing the "Sen ?" button. The LED's will become RED in color and increase in number indicating higher sensitivity. When all 7 RED LED's are illuminated the unit is in its most sensitive mode.
5. After selection the GREEN LED will illuminate and the tick will be faster.
6. To reduce sensitivity press the "Sen ?" button. When this is selected the number of RED LED's will decrease corresponding to lowered sensitivity.
7. There are 7 levels of sensitivity. When initially powered the sensitivity is preset to the mid-range (4 RED LED's illuminated)
8. If the GREEN LED fails to illuminate or begins to flash, change the batteries. The "BAT. Check" can be pressed to indicate relative battery strength. When all LED's illuminate GREEN, the batteries are at full strength.
9. A mute button disables the alarm sound that indicates gas concentrations in excess of 0.5 oz/yr of R-22 (or equivalent).
10. An earphone can be plugged into the earphone jack when using the instrument in noisy environments.
11. 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.
12. If the instrument does not perform, replace the sensor. Sensor replacement is recommended annually.
13. 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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755 Instruction Manual

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