Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Refrigerant Leak Detector

750a

The Value Leader™

www.tpi-thevalueleader.com

Contents

Specifications

Power Supply:	2 "C" Alkaline Batteries
Sensor:	Conductive Polymer Ionization (CPI)
Sensitivity:	Selectable to 0.3 oz/yr 134a
Warm up:	Approx 3 seconds
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"

Standard Accessories

Sensor:	A712
Instruction Manual:	750a Instruction Manual
Soft Pouch	A700

Optional Accessories

Soft Case w/strap	A755
Earphone	A710
Test vial	A713

General Description

The TPI 750a is a state-of-the-art refrigerant leak detector capable of detecting all halogen based gases. Selectable sensitivity combined with an adjustable tick rate 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 (clean air away from the system in question) by moving the switch from the OFF position to the LO 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. Movebackin the opposited direction to find the leak again.
5. To find very small leaks use the same procedure as listed in paragraph 4, but use the HI mode.
6. If the GREEN LED changes to orange color, 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.

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

9. If the instrument does not perform, replace the sensor. Sensor replacement is recommended annually.

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 RED light remains illuminated at all times.
- 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 750a 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.

The Value Leader™

www.tpi-thevalueleader.com

750a Instruction Manual

Test Products International, Inc.
9615 SW Allen Blvd
Beaverton, OR 97005-4814 USA