



750a and 753a Refrigeration Leak Detector Training

APPLICATIONS

Whether testing for leaks in air conditioning, refrigeration, or automotive AC, the versatile 700 series spans the diverse needs of technicians, refrigeration engineers, and maintenance personnel around the globe. From freezer coils to heat pumps, experience fast, reliable results that save you both time and money.

The 700 series automatically detects all existing refrigerants and blends including 404A, PURON® 410A and *R-507 (AZ50).



750a: 0.2 sensitivity



753a: 0.1 sensitivity

Turn over for technical information and accessory part numbers.

The Value Leader™

Features

- Fully adjustable tic rate to eliminate background concentration and pinpoint leaks
- Visual and audible tic rate
- Optional earphone attachment
- One hand operation



750a and 753 Refrigeration Leak Detectors

TECHNICAL SPECIFICATIONS AND ACCESSORIES

- Digital Multimeters •
- Clamp Meters •
- Hand-held Oscilloscopes •
- Refrigerant & Combustible Gas Leak Detectors •
- Temperature Testers •
- BNC Coax Cable •
- Connectors •
- Test Leads •
- Accessories

Test Products International, Inc.
 Headquarters:
 9615 SW Allen Blvd.
 Beaverton, OR 97005
 USA
 503-520-9197
 Fax: 503-520-1225
 email:
 info@tpi-thevalueleader.com

Test Products International, Ltd.
 342 Bronte St. South
 Unit 9
 Milton, Ontario L9T
 5B7
 Canada
 905-693-8558
 Fax: 905-693-0888
 email:
 info@tpicanada.com

Test Products International UK Ltd.
 Longley House, East Park
 Crawley, West Sussex
 RH10 6AP England
 Tel: +44 (0)1293 561212
 Fax: +44 (0)1293813465
 contact us@tpieurope.com

SPECIFICATIONS

Features and Functions	750a	753a
Sensitivity in Ounces Per Year R22 or R134a	0.2	0.1
Pump	NA	Yes
Scan Mode with Switchable High/Low Sensitivity	Yes	Yes
Sensor Type	Corona discharge	AIT micro tip
Spare Sensor Included	Yes	Yes
Built-in Alarm	No	No
Operation	Thumb wheel	Push Button
Gooseneck Handle Length	16"	16"
Adjustable Tic Rate	Yes	Yes
Indication of Leak	Audible and flashing LED	Audible and flashing LED
Battery Included	Yes, 2 C-cell	Yes, 2 C-cell
Standard Carrying Case	A700 Soft pouch	A700 Soft pouch
Optional Accessories	A713 0.5 ounce per year test vial A710 Earphone A712 Sensor for the 750a A721 Sensor for the 753a	

Distributed By:



To learn about the entire line of TPI products visit:

www.tpi-thevalueleader.com

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Will TPI refrigerant leak detectors pick up the new 410A PURON refrigerants?

Yes, all of the 700 series refrigeration leak detectors pick up current refrigerants and blends, including 404A and 410A (PURON).

What is the advantage of the AIT micro tip used in the 753a?

The Advanced Ionization Technology (AIT) micro tip provides increased stability over a standard corona discharge tip. This enables the use of an internal pump to draw the sample across the sensor, increasing overall sensitivity and response of the 753a detectors.

Should I buy a thumb wheel "tic" adjust or push button "tic" adjust?

The thumb wheel gives you a manual adjustment and the push button adjusts to preset levels. Both are easy to use and work equally well. It's simply a matter of personal preference.

Why would I want a pump on my refrigeration leak detector?

Generally, refrigeration leak detectors with pumps respond and clear faster as you enter or leave the leak area. This is most important when locating small leaks.

I have a hard time finding a leak when on a rooftop in windy conditions. Will I be able to find a leak in the conditions with your refrigerant leak detector?

Always remember that the refrigerant will travel with the wind. Position yourself down wind and work your way "up stream" in order to trace down a leak. The harder the wind is blowing, the more the concentration of refrigerant will be diluted in the air. It is difficult to find these leaks, but it can be done.

Is there a way to determine how many parts per million (ppm) a leak of 0.1 ounce per year (oz/yr) is?

A leak of 134a refrigerant measuring 0.1 oz/yr is equivalent to approximately 380 to 400ppm. A leak measuring 0.2oz/yr is equivalent to approximately 760 to 800ppm.

Can any TPI refrigerant leak detectors be used to test for SF6?

Sulfur hexafluoride (SF6) is used in high voltage insulation as found in high voltage lines and circuit breakers. SF6 is toxic and emitted into the air when high voltage insulation begins to degrade. The 753a will detect SF6 at a level of 750ppm or higher.