

VTech e-news

New Product Announcement Special Edition!

VTech PLD Multi-Refrigerant Sniffers



PLD 1000 with standard probe
(Above) PLD2000 (Below)



VTech is pleased to announce the introduction of the PLD series multi-refrigerant leak detectors based on infra-red technology. The working principle is infrared light absorption by halogenated gas.

This technology is a considerable improvement over the traditional halogen leak detectors that have been around for many years. The infrared sensors are well known for not giving “false alarms” and for the high accuracy and sensitivity in leak detection.

The minimum detectable leak rate is 0.3 g/y (0.01 oz/y) and the minimum detectable increment is 0.1 g/y. Additionally, the life of the infrared sensor is longer than the halogen one.

The main application for the PLD detectors is as an inside-out system; their use for outside-in methods is very limited due to the complexity and environmental impact of this leak detection technique.

As an inside-out method, they are used in the detector-probe mode, requiring that the system be pressurized with a tracer gas containing an organic halide, such as CFC, HCFC and HFC. The exterior of the system is then scanned with a sniffer probe sensitive to traces of the halogen-bearing gas. VTech PLD series multi-refrigerant leak detectors are available with a wide range of sensors for the most popular type of refrigerants and blends, including hydrocarbons and CO₂.

In the refrigeration and A/C industry the PLD leak detectors are used as “an end-of-the-line leak check” after refrigerant charging. While they are not intended to replace tracer gas leak detectors used upstream in the assembly line, they can be a valuable complement to insure a high level of product quality. The ability of the VTech PLD to measure the total leakage of the unit (when equipped with multi-function probe) makes them suitable also for the automotive industry.

Please visit our web site at www.vtechonline.com for detailed technical specifications or go directly to the product catalog page by clicking here:

GO



5-LED Multi-function probe (Above)
Automotive Installation (Below)

