

Infinity Automations Systems Pvt. Ltd.

LT-3000 EV EV Battery Pack Leak Tester



High-precision pressure & vacuum-based leak tester for EV battery packs and coolant galleries...!



OVERVIEW

The LT-3000 EV is a compact, intelligent, and robust leak-testing system specially developed for electric-vehicle battery modules, coolant circuits, and large-volume enclosures.

It combines pressure and vacuum measurement in a single portable unit with exceptional accuracy and built-in pneumatic generation.

APPLICATIONS

- EV battery modules & packs
- Coolant circuits and heat-exchangers
- Gearboxes / transmissions / fuel systems
- Any sealed industrial assembly requiring precision leak testing

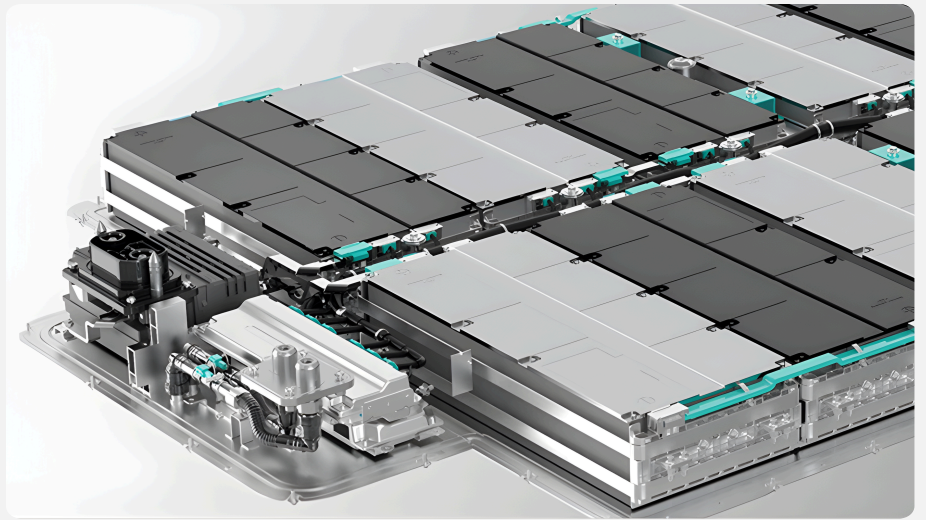
BUILT-IN CONNECTIVITY WITH BARCODE SCANNER & PRINTER



PRECISION LEAK TESTING, BUILT TO MOVE

- Capable of detecting very minor pressure drop/leakage of 0.01 pascal.
- Inbuilt Pressure and Vacuum generator.
- Tough, lightweight construction
- Highly adaptable portable leak tester for large-volume parts

LT-3000 EV: A COMPLETE SOLUTION FOR BATTERY & COOLING SYSTEM VALIDATION



KEY FEATURES

Test Pressure Range

- Battery pack testing: 10 to 30 mbar
- Coolant gallery testing: Pressure up to 6 bar / Vacuum up to 9000 mbar

Accuracy: Up to 0.075 Pa

Built-in pressure & vacuum generator: No external supply needed

Advanced algorithm for large-volume stabilization and compensation

Rugged portable housing (7.5 kg) with dust/oil/water filtration

Data storage: 100 000 results with graphical view & USB export

Touch-screen operation: programs, parameters, pressure graphs, errors & notifications

Integration: Profinet & Modbus TCP, barcode scanner/printer support

Self-generation of vacuum & overpressure using integrated pump

999 test program memory + auto reminder for calibration, validation & service

Traceability options: 2D-code scanner / serial number entry

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS
Dimensions	425 × 335 × 175 mm
Weight	≈ 7.85 kg –Strong Industrial carry case Design.
Input voltage	Worldwide Universal Input Standard 100–240 VAC 50/60 Hz
Power consumption	100 Watt
Operation	-10 °C to 40 °C
IP protection class	IP 65 (housing closed); IP 54 (operating)
Humidity	Up to 75%
Certifications	ISO and NABL
Pressure range	Vacuum –900mbar to Pressure +9000 mbar
Test pressure accuracy	1% FS
Resolution of test pressure	0.1 Pa/0.01mBar
Low Pressure Filling Flow	100LPM
High Pressure Filling Flow	100LPM
Leak / Pressure Drop Accuracy	0.1 Pa
Screen glove compatibility	4.5/7" Colour touch display glove compatible. Resistive Touch Display
Connectivity	USB/Ethernet
Program Port	Industrial Ethernet.
Recipe/Programs	999 individual programs
Storage Capacity	100000 with Graph
Physical Connectivity	Ø 6 mm QRC.

ACCESSORIES

- Spring Rewind Air Hose Reel 1 meter to 5 meter.
- Moisture Filter / external Exhaust Valve / Inline Filter for Vacuum.
- Barcode Scanner and Printer
- UPS backup System up to 1 hour



★ ★ ★ ★
TRUSTED

**YOUR TRUSTED MAKE
IN INDIA PARTNER..!**

The LT-3000 EV is designed to meet evolving EV industry requirements — balancing precision, mobility, and durability in a single instrument. For end-of-line production or field applications, Infinity Automation provides customized solutions tailored to your needs.

OUR PRODUCTS RANGE



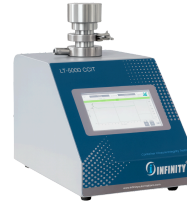
1st Generation
Leak Tester
LT-2000



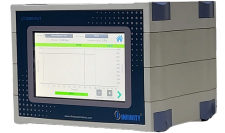
2nd Generation
Leak Tester
Lt-3000



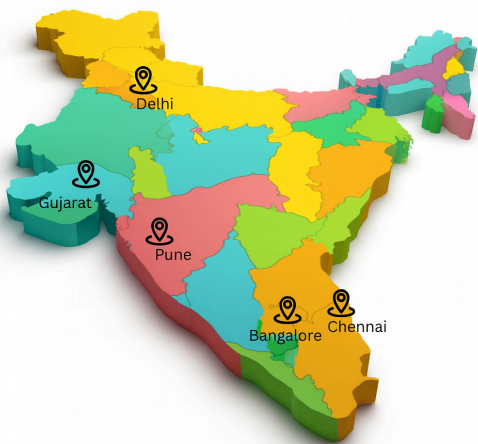
3rd Generation
Leak Tester
LT-5000



Container Closure
Integrity Tester
LT-5000 CCIT



Filter Integrity
Tester
LT-5000 FLIT



LOCATIONS

Manufacturing Unit:
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