



LS-100

All-In-One Calibrated Reference Leak

Video Demonstration
(www.htproducts.co.uk/demo)

KEY FEATURES

- Fully Portable Reference Leak Solution
- Precision Test for all Electronic Refrigerant Leak Detectors
- Cooling Industry Award Winner '09
'Environmental Product of the Year'
- Reliable at any Temperature / Pressure
- Flow Certification for F-Gas Records

- Certification available for traceability and record keeping.
- Attach quickly to standard bulk supply.
- 1/4" SAE input for connection to standard refrigeration equipment.
- Demountable Leak Element to switch between gases and flow rates.
- Fulfil the requirements of current FGas legislation (EN14624, SAE J1627).
- Patented manufacturing process to deliver technology at low cost.
- RAC Cooling Industry Award winning technology (2009).
- Designed and Manufactured in the UK.

Increased accuracy, stability and certification for traceable accuracy tests.

The LS-100 offers engineers a fully portable reference leak solution with its own rechargeable gas reservoir. As with the LS-R the output is regulated to a fixed pressure to minimise the effects of environmental conditions, such as temperature, on the output flow.

The LS-100 is a certificated product and the traceability to national standards can be referenced in F-Gas records kept by contractors conducting leak detection work or system owners keeping service records of the .

The LS-R is housed in a stainless steel case with a removable leak element allowing for gases and flow rates to be matched to the jobs or swapped during operation. HT Products' reference leaks are also available in expanded formats with gauges, reservoirs, shut-off valves and variable regulators.

APPLICATION

- **SUITABLE FOR:**
Refrigeration Engineers
Production Line Tests
Equipment Demonstrations
Training Presentations
In-House Detector Calibrations
- Test a leak detector's performance using several gases or flow rates.
- **KITS AVAILABLE :**
Carry cases, FGas Labels, extra leak elements, charging lines, filter driers, and other accessories.

LS-100: ALL-IN-ONE REFERENCE LEAK - TECHNICAL NOTES

The LS-100 provides a full reference leak solution with a built 100cc reservoir of the calibration gas with a contents gauge housed in a robust stainless steel chassis. As with the LS-R the regulator helps to eliminate the effects of temperature on output flow rate.

The contents gauge indicates the reservoir pressure, we would recommend recharging the reservoir when the contents pressure depletes to 1 bar. It is important to note that the reservoir pressure should be monitored carefully in hot environments as some gases can increase in pressure beyond the some gas should be safely released from the reservoir should the pressure start to approach 16 bar.

Extensive research and investigation into low flow metrology over the last 30 years has given HT Products a wealth of test data and calibration records to draw from. Combined with years of practical leak detection experience in the vacuum industry the products deliver the benefits of scientific precision and the value for money required by the service sector.



SPECIFICATIONS

Max Input Pressure:	16 Bar
Inlet Fitting:	1/4" SAE (with Schaefer Valve)
Weight:	1000 grams (without Gas Charge)
Dimensions:	355 x 80 x 60 (L x W x H)
Available Gases:	R134a, R404a, R600a, R407c, R290, R22,
Available Flow Rates:	0.5 - 30 g/Yr
Recalibration Period:	12 Months

PRODUCT OPTIONS

HT9-LS100-XXX-YYY Standard LS-100 (XXX = Gas YYY = Flow Rate (Grams /Year))
Including Certification Traceable to National Standards

ACCESSORIES / SPARES

HT9-FILL-SAE-1000	1/4" SAE Fill Line 1m
HT9-LS4R-XXX-YYY	Extra Leak Element for LS-100
HT9-LS4RC-XXX-YYY	Extra Leak Element for LS-100 with Certification Traceable to National Standards
HT9-LS-100B	LS-100 Replacement Chassis, 1/4" Schraeder to 1/4" Flare, Regulated 37mbar output w/ 100CC Reservoir and Contents Gauge.

KITS / BUNDLES

HT9-LS100KIT1	LS-100 with Fill Line and 3 leak elements in plastic case
HT9-LS100KIT2	LS-100 with Inficon D-Tec Select, Fill Line, 3 x leak elements and 3 x LS-4 Reference Leaks in Carry Case



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Due to our continuing program of product improvements, all details are subject to change without notice.
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