

UL260
Helium Leak Detector

Proven performance. Simply delivered.

Helium vacuum leak detection for general vacuum applications, backed by the full INFICON support network.

Everything You Need to Find a Leak. Nothing You Don't.

Leak testing is often seen as too expensive and too complex to introduce, especially for small series in general vacuum environments.

Low-cost instruments raise doubts about measurement quality, high-end systems exceed the requirement.

The UL260 closes that gap: a helium leak detection platform proven in the field for more than two decades, with INFICON application know-how and worldwide service behind it.

THE IDEA BEHIND THE UL260

Enter INFICON leak detection at entry level and still receive the complete INFICON performance: measurement certainty, application support, global service and an upgrade path that stays open.

Built for reliability and durability, the UL260 delivers consistently dependable results for your entire process.

ADVANTAGES AT A GLANCE

- ✓ **Field-proven INFICON technology.** A design tested over many years
- ✓ **Simple operation.** Ready to measure without specialist training.
- ✓ **Worldwide service.** Trained technicians and spare parts in every region.
- ✓ **Low investment.** Proven core parts only, no surplus functions.
- ✓ **Measurement certainty.** INFICON application engineers stay reachable.
- ✓ **Open upgrade path.** Integration with your process control system using the LD or ASCII Protocol.



UL260, benchtop helium leak detector, 42 kg, 556 x 304 x 460 mm

Built on What Already Works

A counterflow helium vacuum system with a two-filament ion source, the measuring principle INFICON has refined across the UL Leak Detector family. No features an industrial vacuum application does not need.

Every feature earns its place.

Every component serves the measurement. The result is a detector that is quick to start, simple to run and sized for the bench it stands on

Proven Measuring Cell
180° sector field mass spectrometer with a two-filament iridium ion source. Counter-flow design keeps results repeatable across the full range.

Fast Readiness
About two minutes to fore-vacuum and three to ion source readiness, so the instrument is ready at shift start.

Helium Pumping Speed 2.5 l/s
Clears tracer gas quickly between parts. Dimensioned for components, sub-assemblies and small series.

Inlet pressure up to 25 mbar
Pre-evacuation can stop early, which shortens the pump-down phase of every test cycle.

Compact 42 kg Benchtop Format
556 x 304 x 460 mm. Fits a standard workbench and moves between stations without a lifting aid.

Direct-Access Operation
Start, stop and ZERO as dedicated keys. Trigger levels and calibration stay set between shifts.

Typical Applications

- ✓ **Industrial vacuum components:** chambers, flanges, feedthroughs
- ✓ **Maintenance and service work:** leak location in the field
- ✓ **Heat exchangers and pressure vessels:** integral leak rate on closed volumes
- ✓ **Small series manufacturing:** repeatable end-of-line testing
- ✓ **Refrigeration and air conditioning:** hermetically closed components
- ✓ **Laboratory and pilot plant equipment:** verified at commissioning

Configuration and Accessories

- ✓ **Sniffer line.**
  Local leak location on the part.
- ✓ **Qualified external fore-vacuum pumps.**
  Oil-sealed or dry, supplied by INFICON.
- ✓ **Instrument cart.**
  Turns the unit into a mobile leak test station.
- ✓ **RC1000 remote control.**
  Operation and acoustic indication at the test object.
- ✓ **Partial flow system.**
  Adapts the instrument to larger test volumes.
- ✓ **INFICON Easy-Start video call.**
  Guided first start-up, included.



UL260 HELIUM LEAK DETECTOR

TECHNICAL DATA	
Measuring principle	Helium vacuum method, counter-flow
Mass spectrometer	180° sector field
Min. detectable leak rate for helium (vacuum method)	$< 5 \cdot 10^{-12}$ mbar · l/s
Min. detectable leak rate for helium (sniffer mode)	$< 5 \cdot 10^{-8}$ mbar · l/s
Ion source filaments	2 (iridium, yttria coated)
Detectable masses	2, 3, 4 amu
Helium pumping speed	2.5 l/s
Max. inlet pressure	25 mbar
Time to fore-vacuum readiness	approx. 2 min
Time to ion source readiness	approx. 3 min
Sniffer operation	optional, with sniffer line 551-300. Gas flow 25 sccm.
Interface	LD Protocol/ASCII
Remote control	RC1000 (optional)
Dimensions (W x D x H)	556 x 304 x 460 mm
Weight	42 kg
Warranty	2 years (3 years on the ion source)

Please note: Detection limits and cycle times depend on the fore-vacuum pump configuration and on the test set-up.

ORDERING INFORMATION	
PRODUCT	
UL260 230 V	555-050
UL260 115 V	555-051
UL260 100 V	555-052
UL260 100-230 V, Modules without fore pump	555-055
ACCESSOIRES	
Sniffer line	551-300
RC1000 remote control	551-010
Fore-vacuum pump, oil-sealed, qualified configuration	on request
Fore-vacuum pump, dry, qualified configuration	on request
Partial flow system	on request
Instrument cart	550-060

Please note: Configuration and catalogue numbers for pumps, partial flow system and cart are released stepwise. Please contact INFICON.

INFICON PERFORMANCE, SIMPLY DELIVERED

Entry-level access to INFICON leak detection with the full INFICON performance behind it: application know-how, worldwide service and an upgrade path that stays open.

INFICON Inspired by visions. Proven by success.

www.inficon.com reachus@inficon.com

Due to our continuing program of product improvements, specifications are subject to change without notice.
miba77en-01-(2611) © 2026 INFICON