

PRODUCT TECHNICAL BRIEF

LeakLab-AK Helium Accumulation Leak-Test System

LeakLab-AK Helium Accumulation Leak-Test System - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Product Label	New

Technical and Project Information

Custom accumulation system for detecting very small helium flows from MEMS and other miniature sealed products. Chamber background, accumulation time, transfer volume, detector response and reference-leak calibration determine the validated limit.

The test product is held in a small accumulation volume so helium escaping over time can build above background. The accumulated gas is then admitted to a detector and the transient signal is evaluated against a reference.

Critical design factors

- Chamber free volume, seals, material outgassing and helium memory
- Accumulation time and product tracer-gas history
- Transfer-valve conductance and detector pumping speed
- Background subtraction, blank cycles and reference-leak uncertainty
- Signal integration algorithm and validated decision threshold

The former page advertised sensitivity to 1×10^{-15} Pa·m³/s without a demonstrated noise budget or test record. That value is not repeated as a guarantee. The achievable detection limit must be established by method validation with representative products, blanks and reference standards.

Specify throughput, false-accept and false-reject targets, calibration interval and data-integrity requirements.

- Leak Detectors Leak-Test Systems Portable Helium Leak Detectors Pressure-Change Leak-Test Instruments Helium Mass-Spectrometer Leak Detectors LeakLab Helium Leak-Detector Packages ZQJ-LeakLab-3300 Integration Packages
- Portable Helium Leak Detectors

- Pressure-Change Leak-Test Instruments
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- ZQJ-LeakLab-3300 Integration Packages
- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: LeakLab-AK Helium Accumulation Leak-Test System

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.