LSSD-01 Leak and Seal Strength Detector is professionally applicable to the quantitative determination of seal performance, seal quality, burst pressure, compression resistance, torsion force and joint/disengaging force of flexible packages, aseptic packages, various plastic pilfer-proof closures, flexible tubes, caps and other materials.

Professional Technology

- Based on the positive pressure method and controlled by micro-computer, with LCD, menu interface and PVC operation panel
- Dual test methods of restraint distension and unrestraint distension for customer's free choice
- Different test modes of burst, creep, and creep to failure to meet different test requirements
- Optional test range, "one key operation" and other intelligent designs support combinations of non-standard test conditions
- Professional software provides automatic statistics of test data
- Equipped with micro-printer and standard RS232 port for convenient PC connection and data transfer
- Supports Lystem™ Lab Data Sharing System for uniform and systematic management of test results and test reports

Test Standards

This test instrument conforms to the following standards:
ISO 11607-1, ISO 11607-2, GB/T 10440, GB 18454, GB 19741, GB 17447, ASTM F1140, ASTM F2054, GB/T 17876, GB/T 10004, BB/T 0025, QB/T 1871, YBB 00252005, YBB 00162002

Applications

LSSD-01 Leak and Seal Strength Detector is applicable to the determination of:

Basic Applications	Plastic Composite Bags	Test the compression resistance of various plastic films, aluminum films, paper plastic composite films, aluminum plastic composite films and other packaging bags
	Flexible Tubes	Including various flexible tubes used in daily chemical products and other industries, e.g. flexible tubes of toothpaste, face cream, cosmetics, pharmaceutics and food
	Creep Test	Including various packaging bags and boxes
	Creep to Failure Test	Including various packaging bags and boxes
Extended Applications	Burst Test Of Blister Packs	Including various blister packs
	Aerosol Valves	Test seal performance of various aerosol valves, e.g. vales of

		pesticide, hair spray, auto spray paint and medical spray packages
	Three-sided Sealing Materials	Test withstand pressurization stress of packaging bags with three-sided seal and one-sided open
	High Pressure Test	The maximum test pressure could reach 1.6 MPa
	Pilfer-proof Closures	Test seal performance of various pilfer-proof closures, e.g. closures used in packages for Coke, mineral water, beverage, edible oil, sauce (soy, vinegar and cooking wine), three-piece cans (beer and beverage) and paper cans (cylinder shape for potato chips)

Technical Specifications

Specifications	LSSD-01
Test Range	0 ~ 600 KPa; 0 ~ 87.0 psi (standard)
	0 ~ 1.6 MPa; 0 ~ 232.1 psi (optional)
Gas Injection Head	Φ10 mm (standard) Φ4 mm, Φ1.6 mm (optional)
Gas Supply Pressure	0.4 MPa ~ 0.9 MPa (outside of supply scope)
Port Size	Φ8 mm PU Tubing
Instrument Dimension	300 mm (L) x 310 mm (W) x 180 mm (H)
Pedestal Size	305 mm (L) x 356 mm (W) x 325 mm(H)
Power Supply	AC 220V 50Hz
Net Weight	23 kg

Configurations

Standard Configurations	Mainframe, Test Frame and Micro-printer
Optional Parts	Professional Software, Communication Cable, Test Accessories (Fixtures for Closed Package Restraining Test, Open Package Unrestrained Test, Flexible Tubes Test and Aerosol Vale Seal Performance), and Test Device for Blister Pack Seal Performance
Note	1. The gas supply port of the instrument is Φ8 mm PU tubing; 2. Customers will need to prepare for gas supply.

Please Note: Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at www.labthink.com for the latest updates. Labthink reserves the rights of final interpretation and revision.