

LSSD-01 Leakage and seal strength tester

LSSD-01 The leakage and sealing strength tester is suitable for the quantitative measurement of sealing strength, heat sealing quality, bursting pressure of the whole bag and sealing leakage performance of soft package and aseptic package formed by various heat sealing and bonding processes, as well as the quantitative measurement of sealing performance of various plastic anti-theft bottle caps, as well as the overall sealing performance, pressure resistance strength, cap body connection strength and shedding strength of various flexible pipes The quantitative determination of heat sealing strength and binding strength.



Professional technology

- GB、ASTM、ISO Multiple standards compatibility.
- Positive pressure design principle, simple operation, stable and reliable performance.
- The test range is optional, the test range is wide and the application field is wide.
- Double test method of expansion inhibition and expansion non inhibition.
- A variety of test modes for fracture test, creep test and creep to fracture test.
- The "one key" operation in the test process is intelligent and efficient.
- Test data high-definition large screen liquid crystal display, results automatic statistics, printing.
- Test accessories support, flexible test mode, compatibility and diversification.
- Standard USB interface configuration, computer software support, results of multiple units display.
- The test data can be shared between LAN and Internet.

Rich application

Basic application	Plastic composite bag	It is suitable for pressure rupture test of various plastic film, aluminum film, paper plastic composite, aluminum plastic composite and other packaging bags
	Flexible pipe test	All kinds of washing and chemical products packaging hose and other fields of goods packaging hose. The hose can include toothpaste tube, facial cleanser, cosmetics, various medicinal ointment tubes, food packaging hose and so on
	Creep test	It is suitable for creep test of various packing bags and boxes
	Creep to rupture	It is suitable for testing creep to rupture of various packing bags and boxes
Extended application	Blister package rupture test	It is suitable for pressure test of all kinds of blister packaging
	Aerosol valve test	It is suitable for testing the sealing performance of various aerosol valves. Aerosol valves include a variety of pesticides, mousse, gel water, pharmaceutical spray, self spray, etc
	Three side heat sealing material	It is suitable for the pressure test of packaging bag with only three sides sealed and one side open
	High pressure test	The maximum test pressure can reach 1.6 MPa
	Anti theft bottle cap	It is suitable for sealing performance test of various anti-theft bottle caps. The anti-theft bottle cap can include coke bottle cap, mineral water purified water bottle cap, beverage bottle cap, vegetable oil barrel cap, non-staple food seasoning bottle cap (soy sauce, vinegar, cooking wine, etc.), easy to open three piece cans (beer, beverage cans, etc.), paper packaging cans (cylindrical, various chips, shrimp chips), etc



Testing principle

LSSD-01 The leak sealing instrument adopts the principle of positive pressure method: after the gas with certain pressure is filled into the sample by setting parameters, the pressure sensor detects the change of air pressure inside the sample to judge the overall sealing performance of the sample, and tests the pressure resistance and bursting performance of the sample with the specified air pressure.

The instrument meets many national and international standards: GB 10440、GB 18454、GB 19741、GB 17447、ASTM F1140、ASTM F2054、ISO 11607-1、ISO 11607-2、GB/T 17876、GB/T 10004、GB/T 10005、BB/T 0003、BB/T 0025、QB/T 1871、YBB 00252005、YBB 00162002.

Technical index

Item \ Model	LSSD-01 Leakage and seal strength tester
Test range	0 ~ 600 KPa; 0 ~ 87.0 psi (Standard configuration)
	0 ~ 1.6 MPa; 0 ~ 232.1 psi (Purchasing additional)
Inflatable head	Φ10 mm (Standard configuration)
	Φ4 mm、Φ1.6 mm (Purchasing additional)
Air source pressure	0.4 MPa ~ 0.9 MPa (Gas source provided by users)
Air source interface	Φ8 mm Polyurethane pipe
Size	300 mm (L) × 310 mm (W) × 180 mm (H)
Test stand size	305 mm (L) × 356 mm (W) × 325 mm (H)
Power supply	AC 220V 50Hz
Net weight	23 kg

Product configuration

Standard configuration	Host, test stand, micro printer
Purchasing additional	Professional software, communication cable, test accessories (restraint plate test device; open package test device; plastic anti-theft bottle cap sealing performance test device; hose sealing performance test device; aerosol valve sealing performance test device)
Note	The air source interface of the machine is a Φ 8mm polyurethane pipe; the air source is provided by the user.

