

LSSD-01 Leak 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, as well as the quantitative measurement of sealing performance of various plastic pilfer-proof bottle caps, 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.

Technical Features

- 7 inch touch screen.
- Three level authority management.
- Compatible with international standards of GB、ASTM、ISO.
- Positive pressure principle, simple operation, stable and reliable performance.
- Wide test range for different applications.
- Different test modes of burst and creep to meet different test requirements.
- The "one key" operation in the test process is intelligent and efficient.
- Test results statistics and printing.
- Test accessories support, flexible test mode, compatibility and diversification.
- Standard USB interface, software supports test results of multiple units display.



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

Test Principle

LSSD-01 adopts the principle of positive pressure method: after the gas with certain pressure is charged 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.

Test 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 Data Sheet

Model Item	LSSD-01 Leak and Seal Strength Tester
Test range	0 ~ 1000 KPa; 0 ~ 145.0 psi (Standard)
	0 ~ 1.6 MPa; 0 ~ 232.1 psi (Optional)
Inflatable head	Φ10 mm (Standard configuration)
	Φ4 mm、Φ1.6 mm (Optional)
Air source pressure	0.4 MPa ~ 0.9 MPa (Gas source provided by users)
Accuracy	+/-1%
Air source interface	Φ6 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	Instrument, test stand, micro printer
Purchasing additional	Professional Software and 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

1. The air source interface of the machine is a Φ 6mm polyurethane pipe;
2. The air source is provided by the user.

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