



## Package Leak Tester For Food/Pharmaceuticals

**MFY-06S**





## Instruction

**MFY-06S** Food Packaging Leak Tester is designed for testing the sealing leakage, burst strength and fatigue strength of plastic anti-counterfeit covers, composite hoses, packaging bags, composite gas cylinders, sphygmomanometer wall capsules, composite paper cups, aseptic packaging, medical devices, pressure vessels and other products. This intelligent leak tester has seven independent test functions, and the large screen touch screen can display the experimental process curve. Users can use different test equipment to complete the test of different materials. The intelligent leak tester is a multi-purpose, high-performance sealing test equipment, widely used in quality inspection institutions, medical devices, food factories, pharmaceutical factories, packaging manufacturing and other industries.

## Test principle

Inject a certain positive pressure gas into the sample, and after a certain pressure holding time, the intelligent leak detector determines whether the sample is sealed intact. Or inject gas at a certain speed to test the maximum pressure value when the sample to be tested bursts.

## Application

Product	Name	Application
	Plastic anti-theft bottle cap	Determine the sealing performance of various materials, such as anti-theft bottle cap packaging bags, etc. It also includes the sealing performance and release strength test of various anti-t heft bottle caps, including cola bottle caps, mineral water bottle caps, pure water bottle caps, beverage bottle caps, etc.
	Plastic hose	Quantitatively determine the sealing performance, compressive strength, bottle cap connection strength, edge sealing strength, heat release strength, docking strength and other indicators of various plastic hoses and pipes.

	Cylindrical composite jar	Opening force test of various chips and composite cylindrical cup caps.
	Aerosol valve	Test the sealing performance of various aerosol valves, including various pesticides, mousses, gel water, sprays, spray paints and other medicinal products.
	Plastic packing bag	Test the edge sealing strength, heat sealing quality of various packaging parts, aseptic packaging parts formed by heat sealing and bonding processes, as well as the bursting pressure, sealing leakage, and creep performance of the whole bag.
	Automobile safety air bag	Detect the sealing strength of automobile airbags.
	Sterile medical instrument package	Determine the sealing performance and breaking strength of medical devices. (such as aseptic packaging bags, etc.)
	Blood pressure	Multiple fatigue and sealing performance tests are performed on the wall capsule of the sphygmomanometer.
	Pressure cooker	Sealing performance test of the pressure cooker.

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## Technical Features

- \* The main unit can run independently without a computer, and can store and query test results, eliminating the tedious steps of connecting to a computer for each test.
- \* The instrument has sufficient password protection level, and each operator has a unique login name and password combination to enter the instrument operation.
- \* The imported sensor system is adopted, and the test accuracy is far ahead of the industry, which effectively guarantees the accuracy of the test results.
- \* Applicable to the positive pressure principle, one machine can independently carry out multiple experimental projects.
- \* Multiple test projects can be expanded by replacing different fixtures.
- \* The instrument is equipped with a micro printer, which can print complete test information such as equipment serial number, sample batch number, experimenter, test results, and detection time.

## Main Specification

Technical parameter	
Test range	0~1.25 MPa; 0~174.2 psi (Standard ) 0~250 kPa; 0~36.3 psi (Optional) 0~1 MPa; 0~145.2 psi (Optional)
Test accuracy	±1%
Air connection	Φ8mm Polyurethane Tube
Machine size	480mm×330mm×150mm
Weight	8Kg
Environment requirements	
Environment temperature	15℃~50℃
Relative humidity	No more than 80%, no dewdrop
Power supply	220V, 50Hz

## Standards

ASTM F1140, ASTM 2096, ASTM F2054, ISO 11607-1, ISO 11607-2

## Configuration

**Standard configuration:** intelligent leak detector host, bottle pressure test device

### Optional configuration

Test accessories: professional software and communication line, test stand, micro printer

**Note:** Customers need to provide their own gas source.