

MFY-CM Leak Tester

MFY-CM The leak tester is professionally designed for the leakage tests of packages for food, drugs, medical instruments, household chemical products, cars, electronic components, stationeries and other industrial products. The instrument also can be used to test seal performance of specimens after falling and compression tests.

Professional Technology

- 7-inch colorful touch screen.
- Two test modes, pressure maintaining and pressure increasing meet different test requirements.
- Full automatic control. Vacuumization, pressure maintaining, pressure compensation, timing, back blowing, printing, saving and data uploading are complete automatic.
- Equipped with micro printer, USB data interface, support PC software measurement and controlling.
- The test unit could be converted between mbar and kPa.
- Historical test records could be saved automatically. The test data could be export to Excel format.
- Three level authority management.
- The test results are synchronously uploaded to the cloud server for storage, and can be browsed everywhere if there is a network;
- Bilingual choice of English and Chinese.



Application

Glass bottle、 cans、 boxes、 pipes、 plastic bottle、 cans、 boxes、 pipes、 metal bottle、 cans、 boxes、 pipes、 plastic bags and pouches, paper plastic composite bags and pouches, pen refills etc.

Test Principle

Firstly submerge the specimen in the water in the vacuum chamber, and then evacuate the vacuum chamber to form differential pressure between the inside and outside of specimen. The seal property can be obtained by observing the steady progression of bubbles from the specimen or observing how the specimen expands and restores to its original shape after vacuum release.

Test Standards

ASTM D3078, ASTM F2096, ASTM F3039, ASTM D5094, ASTM D6653.

Technical Data Sheet

Item \ Model	MFY-CM Leak Tester
Screen	7 Inch Touch Screen
Vacuum Degree	0 ~ -90kpa
Accuracy	1 Grade
Pressure Resolution	0.1kpa
Negative Pressure Generation Mode	Vacuum generator
Vacuum Chamber Size	Φ270mm×210 mm (H) (Standard) Φ360mm×585 mm (H) (optional) Φ460mm×330 mm (H) (optional)
Gas Supply Pressure	0.7MPa (supplied by the user)
Air Connection	Φ6mm polyurethane pipe
Power supply	220 V/50Hz
Instrument Dimension	370mm (L) ×300mm (B) ×450mm (H)
Net weight	12 kg

Configuration

Standard configuration	Instrument, micro printer, vacuum chamber
Optional purchase	Vacuum chamber, Professional software

Note:

1. The gas supply port of the instrument is Φ6 mm PU tubing;
2. Customers will need to prepare for gas supply.

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