

C660B Leak and Seal Strength 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



Product Features^{Note1}

Multiple Test Modes & Intelligent Statistics of Qualified Specimens

- Negative pressure method
- Multiple test modes including standard, multi-grade vacuum and methylthionine chloride mode
- Automatic test with traditional methylthionine chloride
- Vacuum degree, test time and infiltration time can be adjusted and test parameters can be saved automatically so that the tests with same test parameters can be started quickly
- Automatic constant pressure compensation, which ensures that the tests can be performed under preset vacuum conditions
- Real-time display of test curves, easy to observe the test results
- Automatic statistics of qualified specimens
- Main components and parts are supplied by well-known global manufacturers, with guaranteed performance

Brand New Patented Intelligent Touch Operating System

- Industrial grade touch screen, one-button operation, simplified operating interface, remote upgrade and maintenance
- Chinese and English operating interface
- Flexible unit conversion
- Automatic data storage and power failure memory to prevent data loss
- Storage up to 1200 test records (standard mode)
- Multiple-level user management and login with password
- Micro-printer and USB ports for data transmission (optional)
- The instrument conforms to the requirements of GMP (optional)
- Labthink's unique DataShiledTM System for data management and connecting of information system (optional)

Test Principle

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

Test Standards^{Note1}

ASTM D3078, GB/T 15171

Applications^{Note1}

Basic Applications	Glass Bottles, Pipes, Cans and Boxes
	Plastic Bottles, Pipes, Cans and Boxes
	Metal Bottles, Pipes, Cans and Boxes
	Paper Plastic Composite Bags and Boxes
Extended Applications	Pen Refills
	Electronic Components
	Medical Instruments

Technical Specifications^{Note2}

Specifications	C660B
Vacuum Degree	0 ~ - 90 KPa/ 0 ~ - 13 psi
Accuracy	±0.25%FS
Resolution	0.1 KPa / 0.01 psi
Vacuum Chamber Effective Sizes	Φ270 mm x 210 mm (H) (standard)
	Φ360 mm x 585 mm (H) (optional)
	Φ460 mm x 330 mm (H) (optional)
	Note: customization is available for other sizes
Gas Supply	Air (outside of supply scope)
Gas Supply Pressure	0.5 MPa ~ 0.7 MPa (73psi ~ 101psi)
Instrument Dimension	334 mm (L) x 230 mm (W) x 170 mm (H)
Power Supply	220VAC±10% 50Hz / 120VAC±10% 60Hz
Net Weight	Instrument: 6.5 kg Standard Vacuum Chamber: 9kg

Configurations

Standard Configuration	Instrument, Standard Vacuum Chamber (Φ 270 mm x 210 mm), Φ 6 PU Tubing (1m)
Optional Parts	Micro Printer, Professional Software, Customized Vacuum Chamber, Air Compressor, GMP System, DataShield TM ^{Note3}
Note	1. The gas supply port of the instrument is Φ 6 mm PU Tubing; 2. Customers will need to prepare for gas supply.

Note 1: The described test standards, applications and product features should be in line with Technical Specifications.

Note 2: The parameters in the table are measured by professional operators in Labthink laboratory under strictly controlled laboratory conditions.

Note 3: DataShield™ provides safe and reliable data application support. Multiple Labthink instruments can share one single DataShield™ system which can be configured as required.

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.