

C660M Leak and Seal Strength Tester is professionally applicable to quantitative determination of seal strength, seal quality, burst pressure, seal integrity, compression resistance, torsion force and joint/disengaging force of various flexible packages, aseptic packages, plastic tamper-evident closures, flexible tubes, caps and other materials.



Product Features^{Note1}

Multiple Test Modes & Automatic Testing Process

- Positive pressure method
- Multiple test modes including burst test, creep test, creep-to-failure test and pressure retaining test
- Dual test methods of restraint distension and unrestraint distension for customer's choice
- Real-time display of test curves and automatic statistics of test data
- Test range can be selected for non-standard tests
- Main components and parts are supplied by well-known global manufacturers, with guaranteed performance

Innovative Real-time Monitoring of Gas Inlet Flow

- Real-time monitoring of gas inlet flow under high pressure ensures the uniform testing condition during testing process
- High repeatability of test data

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
- Automatic data storage and power failure memory to prevent data loss
- Storage up to 1200 test records
- 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 DataShiled™ System for data management and connecting of information system (optional)

Test Standards^{Note1}

ISO 11607-1, ISO 11607-2, GB/T 10440, GB 18454, GB 19741, GB 17447, ASTM F1140, ASTM F2054, GB/T

17876, GB/T 10004, BB/T 0025, QB/T 1871, YBB 00252005, YBB 00162002

Applications^{Note1}

Basic Applications	Plastic Composite Bags	Test the compression resistance of various plastic films, aluminum films, paper plastic composite films, aluminum plastic composite films and other packaging bags
	Flexible Tubes	Including various flexible tubes used in daily chemical products and other industries, e.g. flexible tubes of toothpaste, face cream, cosmetics, pharmaceuticals and food
	Creep Test	Including various packaging bags and boxes
	Creep to Failure Test	Including various packaging bags and boxes
Extended Applications	Burst Test of Blister Packs	Including various blister packs
	Aerosol Valves	Test seal performance of various aerosol valves, e.g. valves of pesticide, hair spray, auto spray paint and medical spray packages
	Three-sided Sealing Materials	Test withstand pressurization stress of packaging bags with three-sided seal and one-sided open
	High Pressure Test	The maximum test pressure could reach 1.6 MPa
	Tamper-evident Closures	Test seal performance of various tamper-evident closures, e.g. closures used in packages for Coke, mineral water, beverage, edible oil, sauce (soy, vinegar and cooking wine), three-piece cans (beer and beverage) and paper cans (cylinder shape for potato chips)

Technical Specifications^{Note2}

Specifications	C660M
Test Range	0 ~ 600 KPa; 0 ~ 87.0 psi (standard)
	0 ~ 1.6 MPa; 0 ~ 232.1 psi (optional)
Resolution	0.1 KPa / 0.01 psi
Pressure Accuracy	±0.25%FS
Gas Injection Head	Φ10 mm (standard)
	Φ4 mm, Φ1.6 mm (optional)
Gas Flow Rate	0.01~10L/min
Pressure Retaining Time	0.1s~999999.9 s
Gas Supply	Air
Gas Supply Pressure	0.6MPa ~ 0.7MPa (87psi ~ 101psi)

Port Size	Φ8 mm PU Tubing
Instrument Dimension	334 mm (L) x 230 mm (W) x 200 mm (H)
Test Frame Size	305 mm (L) x 356 mm (W) x 338 mm(H)
Power Supply	220VAC±10% 50Hz / 120VAC±10% 60Hz
Net Weight	8Kg (Instrument) 16Kg (Pedestal)

Configurations

Standard Configurations	Instrument, Test Frame, Sealing Gasket, Φ8mm PU Tubing (2m)
Optional Parts	Micro-printer, Professional Software, Communication Cable, Test Fixtures for Extended Applications, Air Compressor, GMP System, DataShield™ ^{Note3}
Note	<ol style="list-style-type: none"> 1. The gas supply port of the instrument is Φ8 mm PU Tubing; 2. Customers will need to prepare for gas supply.

Note 1: The described 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.