



Air Leak Tester

MODEL AL-700 Series

The AL-700 Series Air Leak Tester integrates a high-sensitivity Differential Pressure (DP) sensor for superior testing precision, and is fitted with a large-bore pneumatic control valve. Boasting a Smart Test, the tester is engineered with zero reset tailored to the operational characteristics of Air Leak Tester.

These features effectively eliminate errors induced by temperature fluctuations and structural deformation, enabling high-precision measurement in a short time and thus significantly enhancing overall testing efficiency.

Features

- 4.3inch LCD Screen, English Operation Interface
- DP Sensor: Highly Sensitive & Small Volume
- Built-in Independently Developed Intelligent Valve Terminal Components
- Simple & Small Volume Air Circuit Structure
- Multiple Units: Pa, ml/min, Pa/s
- 9999 Sets of Storage
(exportable via USB)



Applications



Gas Appliances:

Stoves and accessories, bellows, pressure regulating valves, and stopcocks, etc.



Motor Vehicle Components:

Cylinder block, cylinder head, oil pan, engine, cylinder head, radiator, fuel pump, washer pump, electronic fuel injection system, etc.



Healthcare Industry:

Electronic thermometers, endoscopes, sphygmomanometers, IV tubing, pressure sensors, puncture instruments, etc.



Others:

Sealed relays, sealed motors, submersible pumps, hard drives, cameras, atomizers, mobile phones, watches, etc.



Models Classifications

Models	Testing Pressure
AL-700	(-90 ~ -5) kPa
AL-710	(5 ~ 100) kPa
AL-720	(0.02 ~ 0.2) MPa
AL-730	(0.02 ~ 0.4) MPa
AL-740	(0.02 ~ 0.7) MPa
AL-750	(0.1 ~ 1.2) MPa
AL-760	(0.1 ~ 1.8) MPa

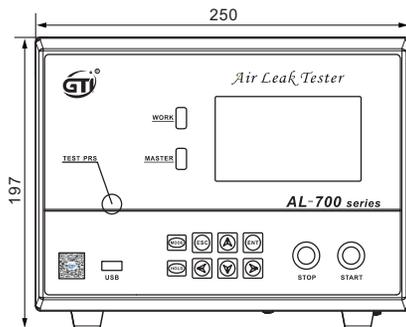
General Specifications

Items	Specifications
Weight	Approx. 10kg
Operation Temperature	5 ~ 40°C
Humidity	< 90% RH (no condensation)
Air Pressure Source	Stable, clean, dry, non-corrosive gases, with a dew point temperature < -25°C.
Power Source	AC100 ~ 240V ± 10%, 50Hz
Dimensions (L×W×H)	Approx. 250×195×280 mm

Technical Specifications

Items	Specifications	
Differential Pressure	Accuracy	± 0.5% FS
	Range	± 999 Pa
	Resolution	1 Pa or 0.001 ml/min
	Sensor Proof Pressure	< 2MPa
Test Time	Setting Range	(0 ~ 999.9) s (delay, pressurization, balance, test, exhaust)
	Resolution	0.1s
Test Units	kPa, PSI, mbar, mmHg	
Leakage Units	Pa, ml/min, Pa/s, SCCM	
Pilot Pressure	Clean, dry, non-corrosive gases at (400 ~ 600) kPa	
Curve Display	Time-leakage	
Input Channels	10 Channels	
Output Channels	14 Channels, RS232, DC24V	
Zero Reset	Eliminate measurement errors (caused by temperature, deformation, etc. of tested parts)	

Product Size Example (Unit: mm)



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