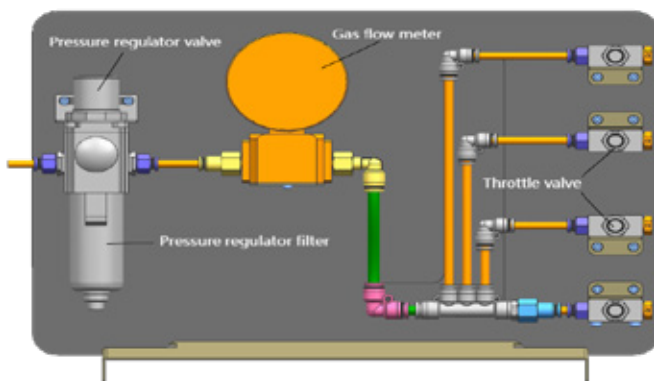




IA1201 PORTABLE LEAK SIMULATOR

IA1201 is a gas leak simulation device designed to simulate leaks with the same aperture but different pressures, or the same pressure but different apertures. It features four independent throttle valves that can be adjusted to simulate different leakage rates under the same pressure. By adjusting the pressure regulator valve while keeping the throttle valves fixed, the device can simulate gas flow at the same aperture but different pressures. Equipped with a digital flow meter, the device can display real-time gas flow within the system.

The IA1201 gas leak simulation features an acrylic base and a full aluminum alloy base, providing durability and light weight design. It is sturdy and easy to use. Simply connect it to an air pump, and it is ready to be operated with ease.



Real-time Monitoring

You can view the gas pressure by the pressure gauge. With a gas flow meter, you can observe the amount of gas leakage.

Precise Control

The pressure indicator on the regulator filter and the gas flow meter are visible in real time. The user can clearly see the current status of the simulator.

Repeatability

By accurately controlling the gas pressure and gas flow rate, it ensures that the simulation conditions are consistent for each test, enabling comparability between different experiments or tests.

Leak-proof Design

The device is equipped with a dual protection system consisting of leak-proof materials and leak-proof structures. Multiple airtightness tests are conducted to ensure the integrity of the device itself, providing a double guarantee against leaks.

User-friendly

The device can be used by simply connecting an air pump. The gas leakage rate can be adjusted by regulating the pressure regulator and throttle valves. This allows for quick setup and adjustment of the device by a single person.

Warranty

1-year warranty; 24-hour response time; ample spare parts.

▲ Technical Specifications

Pressure Regulating Filter	
Working medium	Air
Tube calibre	PT1/4
Filter precision	40µm
Pressure regulating range	0.15~0.9MPa
Maximum operating pressure	1.0MPa
Guaranteed pressure	1.5MPa
Temperature range	-5~+70°C unfrozen
Water filter cup capacity	25cc
Weight	80g

Gas Flow Meter	
Range	0~300L min
Precision	±3%F.S
Working Medium	Medium Air, nitrogen, argon, oxygen
Connector specification	NPT1/4
Main material	Aluminium alloy
Maximum working pressure	0.8MPa
Power	consumption 1W
Powersupply	3 AA batteries or external power supply 9-24V DC
Working temperature	-10~+60°C

Language	
Language	Chinese, English

Throttle Valve	
Working medium	Air (filtered by 40µm or more)
Tube calibre	PT1/4
Pressure range	0.05~0.95MPa
Guaranteed pressure	1.5MPa
Operating temperature	-20~+70°C
Body material	aluminium

Routine	
Warranty	1 year
Size	421*284*8mm
Weight	900g Air pump not included
Protection class	IP54
Connecting pipes	PA flame-retardant pipe

Air Pump optional	
Voltage	220-240V/50HZ 110-120V/60HZ
Power	110W
Flow rate	30~35L/min
Stop Pressure	1st gear 4bar 2nd gear 6bar
Start-up pressure	3bar
Tank capacity	3L
Size	250*135*210mm
Weight	5.2 kg