

Model 11 Leak Test System

For those situations where simplicity and cost savings are important

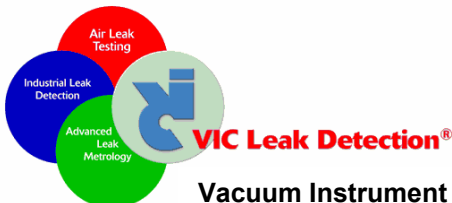
Features:

- Fast and accurate leak tests using air or nitrogen
- The least expensive and the most simple to setup and operate leak tester
- Fast-Complete test cycles in seconds
- Fast response time mass flowmeter
- Leak rate sensitivity from 1cc/minute
- Patented mass flow sensor

www.vicleakdetection.com



Air Leak Testing Model 11



Vacuum Instrument Corporation – Air Leak Testing Division

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MODEL 11 LEAK TEST SYSTEM

The Model 11 from Air Leak Testing is a low cost system designed to perform fast, accurate leak tests using air or nitrogen. Using a patented mass flow sensor, the Model 11 is complete and ready to use. Results are indicated via digital leak rate readout in cc/minute.

The Model 11 features the mass flow test method. In this technique, a constant pressure is maintained to the test part by a precision pressure regulator and any make-up air that may be required (because of a leak, after the initial adiabatic heating stabilization) is measured by the very sensitive mass flowmeter.

The front panel contains a:

- Power switch
- Digital meter – for leak rate readout
- Pressure gauge – for test pressure readings
- Test port – for connection to the part
- Manually operated fill & test valves

Ease of operation:

- Connect the part to the test port.
(All other openings in the part must be sealed.)
- Open the 'Test' valve.
(The leak rate meter will momentarily go full scale, indicating maximum flow as the part is being pressurized. As the part reaches test pressure and the test air stabilizes, the meter reading will decrease and settle at the leak rate of the part, where it will remain. For many small parts, the typical time required is 5 seconds or less, larger volume parts may require activation of the 'Fill' valve for quicker pressurization.)

- Close the 'Test' valve and remove the part.
- Connect another part and repeat the process.

System Specifications

Pressure range – 0-60 psig

Leak rate range – 0-100 sccm

Test port – 1/8" NPTF

Sensor accuracy – +/- 1% of full range

Sensor repeatability – +/- 0.1% of full scale

Air Supply – clean, dry air or nitrogen

Options

- Adjustable Setpoint with go/no-go indicator lights
- Calibrated Leak Orifice (specify leak rate & test pressure, includes N.I.S.T. calibration certificate)
- 220VAC Power
- Model LD20 Handheld Digital Leak Rate Calibrator

Weight

12 lbs. (5.45 kgs)

Power requirements

115VAC, 25VA, 50/60 Hz

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* Specifications subject to change without notice.

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