



INFINITY

Solutions Infinite...

WORLD'S LEADING
LEAK TESTER MANUFACTURER



LVD Directive 2006/95/EC (as amended)
MD Directive 2006/42/EC (as amended)

www.infinityautomations.com

- Full Colour Touch Screen Display.
- Easy Programming due to Auto Setup Feature.
- Waveform Measurement Display.
- PROFINET Enabled.
- USB Port for Easy Data Storage.
- Quick Test Facility.

AIR LEAK CONTROLLER



- Pinch Test Facility
- Data Logging System Incorporated.
- Accuracy & Precision Validation with Master Leak Feature.
- Auto Volume Calculation.
- Highly Accurate Blockage Test with Blockage Percentage Calculation.

General Specifications

Display	4.3" TFT colour touch screen for controlling with your fingers
Test pressure Range	Range -0.9 bar to 20 bars
Pressure Regulation	Electronic Pressure Regulation. different test pressure can be set independently for each channel.
Calibration	Front panel manual calibration. Touch screen Based Calibration mode
Flexible communication	Rs232, RS485, USB, Modbus
Testing technology	Differential pressure decay leak measurement. Use in pressure and vacuum.
Program Selection	With digital input / RS232 / RS485 / Modbus
Programmable Outputs	4 Outputs for coupler / Marker / Cutter / etc
Mastering Events*	Maximum Idle Time, Day of Week, Interval, Iteration, Consecutive Triggers, Mastering Limits
Standard accessories	Power cord: For export: length: 2m (CE conformant product), Interface connector (I/O), caps (2) for RS-232C, Test Report, Traceability documents, User Manual
Peripherals*	Leak Master, External exhaust valve, Quick Couplers/connectors
Flexible Mountings	Flat wall mounting possible, tip-up feet, collapsible feet, Different heights by use of extension sets which can be used as handle.
NOTE*	Consult if requirement is for high Pressure & High temperature

Industry Dominating

Graphical Representation



With this feature one can easily get the comparative analysis data which is mostly accepted by the higher officials to make quick decisions as it gives the logical sequence with complete idea and eventually it can be hanged on notice board to raise attention of one and all in a organization.



Auto Volume Calculation

Volume calculation has always been very tedious and critical. But now actual volume can be achieved with this controller. Actual volume will consist of Part Volume + Tubing Volume + controller's internal volume.



Blockage Percentage Calculation

Highly Accurate Blockage Test with Blockage Percentage Calculation. Capable of detecting blockage up to 10%.

Data Acquisition Software

- User friendly windows based application software compatible with any operating system.
- Data is collected using serial communication port of the controller.
- All the parameters of the test such as set parameters & Actual parameters can be stored.
- Graphical representation of the result is possible.
- All data is available for processing using MS Access or Excel
- Batch wise, day wise and Shift wise report generation facility available for MIS purpose.
- Barcode Printer and Barcode Scanner can be connected directly.
- Data can be collected from multi controllers simultaneously.

Standard Configuration of the leakage Testing Setup using PC, Printer & Scanner



Technical Specifications

Resolution	0.01 Pa
Differential Pressure Range	± 6500 Pa
Guaranteed Sensor Accuracy	0.035 Pa
Sensor Over Pressure	1.6 Mpa
Test Pressure Units	PSI, kg/cm ² , bar, mbar, mmHg, cmHg, inHg, etc
Leak Units	mL/min, L/min, mL/s, Pa/s, Pa/min, Pa, kPa, Pa· m ³ /s, E-3 Pa· m ³ /s, etc.
Displayed Leak Volume	3 to 5 digits (floating point), sample rate: 10/second
Leak Limit Range	±999.9 Pa
Number of Programs	500 Programs
Timers	999.9 seconds
Power Source	regulated 24VDC , 2A
Weight	Approx 8 to 10 kg (standard specifications)

Test pressure source	Uses clean air. The original pressure must be sufficiently higher than the test pressure.
Pipe connection diameter	6 X 4 mm (test pressure supply, pilot air supply, work piece piping, master piping)
CPU	ARM 32-bit, 200 MHz
USB Port	Test Data Exporting test parameters Test Parameter backup / Restore System Backup / Restore, Upgrade
Ambient Temperature	Operating 5°C to 45°C, Storage -20°C to 60°C
Humidity	80 % RH or less No dew condensation.
Dimension (mm)	340 x 260 x 150 (W x D x H)

Unique Features



Auto Parameters fill / Auto Setup Feature

Given the leak rate and leak time, controller itself sets its prerequisite parameters like the fill time, stabilization time, etc. Thus the required best suited cycle time for that particular application part to get most precise results is decided by controller itself.



Pinch Test

We call this test Catch the Miscreant. With this test one can easily track and get rid of malpractice done by operator to pass the Leak part with OK identification.



Quick Test

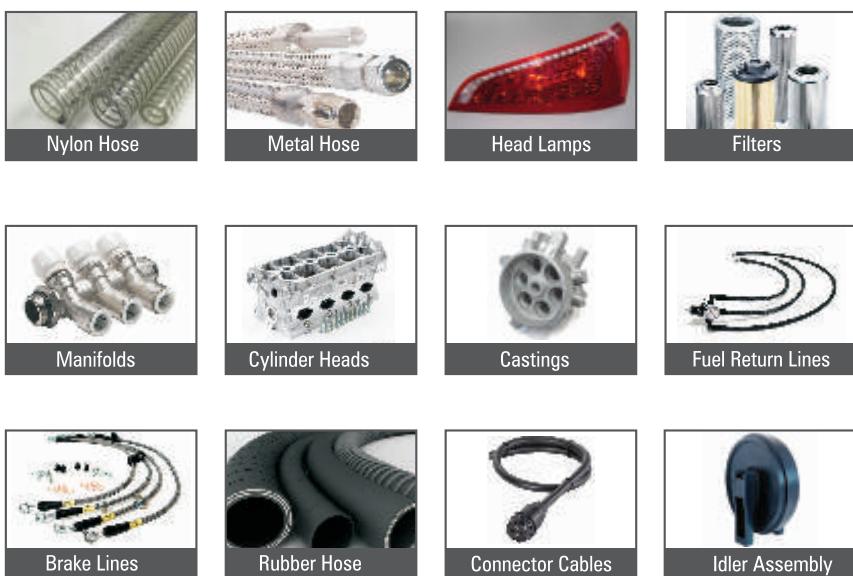
This test relates to increased productivity. With this test the cycle time for relatively smaller volume part is reduced to a large extent keeping leak rates low as possible and within the limits.

APPLICATION

Accessories

- ▶ Leak Master
- ▶ Start / Reset Pendant
- ▶ Remote Control
- ▶ Intelligent Remote Controller
- ▶ Barcode Reader
- ▶ Barcode Printer
- ▶ Sealing Connectors
- ▶ Vacuum pump
- ▶ Infinity Software
- ▶ Data Logging System etc.

- Automotive
- Electrical Components
- Defence
- Aeronautics



DOMESTIC



Bottles



Pressure Cooker



Plastic Jars

FOOD & PHARMA



Pouch Sachets



Blister, Catheter



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