

Low Velocity Air Leakage Tester, High Velocity Air Leakage Tester

These two units provide contractors, commissioning engineers and research and development technicians with a comprehensive choice of equipment to test and quantify air leakage. All forms of HVAC ductwork and components may be pressurised across a range of low, medium and high velocity applications to conform with DW143 and DW144 ductwork leakage specification. Virtually anywhere low pressurisation is necessary, in laboratory clean rooms, test cells and sealed enclosures Airflow leakage testers will provide a fast, accurate measurement solution. The method of measurement of air flow rate is a primary standard directly related to BS 848. Part 1.

- **Fast, Effective Electronic commissioning and Flow Control in Metric or Imperial units**
- **LM1 Leakage Manager provides instantaneous Display of Actual Ductwork Leakage and Test Pressure**
- **Portable, fits in an Estate car**
- **No more levelling or topping up of fluid manometers. Auto zero facility**
- **Two models up to 354 l/sec and 2500 Pascals**
- **Tests to DW143 and DW144 Class A, B and C Ductwork**
- **IP65 control case with easy read backlit display for on-site conditions**
- **Adjustable clamping angle display**
- **Nozzle in use and over range prompts**
- **Flow measurement to BS848 (Part 1)**
- **Fundamental manometry readout kit available as an option**
- **HVAC Ductwork, Plenum and Damper checks**
- **AHU Enclosures and laboratory containment for COSHH**
- **Grille, Diffuser and Linears Pressure testing**
- **Modification kit available for negative pressure testing**
- **Certificate of calibration to National Standards**
- **HVAC, laboratory containment, enclosure integrity checks**



Low velocity leakage tester



LM1 Leakage Manager display unit



High Velocity Leakage tester

SPECIFICATION

Air performance at max fan speed	LVL		HVL	
	Metric	Imperial	Metric	Imperial
	354 l/s @ 500 Pa 189 l/s @ 1000 Pa 1274 m ³ /hr @ 500 Pa 680 m ³ /hr @ 1000 Pa	750cfm @ 2 ins wg 400cfm @ 4 ins wg	110v Unit 50 l/s @ 2500 Pa 180 m ³ /hr @ 2500 Pa	110v Unit 106cfm @ 10 ins wg
DW143 Classification	A B	A B	A B C	A B C
Motor Data	2850 rpm max speed 1.1kW single phase 50Hz 110V (13 amp) 240V (6 amp)		7000 rpm max speed 0.5kW brush motor 110V (10 amp) 240V (6 amp)	NOTE: Continuous use will accelerate brush wear
Flow rate/ pressure control	Manual damper		Speed controller	
Flexible ducting 3.7 metres (12ft) long with end fitting	203mm (8") diameter		102mm (4") diameter	
Overall size	1370mm long x 570mm wide x 600mm high (4ft 5in long x 1ft 8in wide x 2ft high)		1050mm long x 570mm wide x 590mm high (3ft 4in long x 1ft 8in wide x 1ft 9in high)	
Weight Trolley	49Kg	108lbs	35Kg	77lbs
Ducting	7Kg	15lbs	3Kg	6.6lbs

AIRFLOW™

SPECIALISTS IN AIR MOVEMENT TECHNOLOGY

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Airflow Developments Limited reserve the right, in the interests of continuous development, to alter specifications without prior notice. All orders are accepted subject to our conditions of sale which are available on request.



CERTIFICATE 152
BS5750 ISO9001 EN29001