

Model 451 Commercial DucTester

Smallest but most powerful

140 liters per second at 2 000 Pa

Measure commercial duct leakage in either direction with the first truly light weight (7kg) handheld tester. The 1700 Watt continuous duty blower with the industry's first touch screen digital gauge give instant results to any standard.

Reduce testing time with Quick Change Orifice plates that test down to 0.001 m³/s standard.



Power – choose one of:	120 V AC, 15.5 amps, 50/60 Hz, 1 phase, or 240 V AC, 8.5 amps, 50/60 Hz, 1 phase
Retrotec DM32 Digital Touch Screen Pressure Gauge	Pressure range +/- 5 000 Pa, Calibrated to +/- 2 000 Pa Resolution 0.1 Pa Accuracy is +/- 1.0% of reading or 1.0 Pa whichever is greater.
Flow Range positive and negative	3.3 to 144 liters/s at 250 Pa (0.0033 to 0.144 m ³ /s) Optional orifices to 0.14 liter/s 140 liters/s at 2000 Pa
Flow Accuracy	+/- 5 % against NIST traceable standard. ISO 17025 (UKAS) optional.
Test direction	Pressurize and depressurization. Change in seconds.
Test pressure	Maximum pressure is 15 500 Pa.
Speed Control, 3 ways	<ol style="list-style-type: none"> 1. Speed control knob on fan housing. 2. Set fan speed to % in gauge. 3. Set % speed on Mobile device for WiFi option. Set Pressure control will be available mid-2015 as a free online upgrade.
Results	m ³ /s, liters/s, m ³ /h, liters/(s m ²), m ³ /(s m ²), Leakage Area cm ² <ul style="list-style-type: none"> • Touch screen visual display • Data log at any sample rate for any length of time. • FanTestic Software Package for automated test and reporting
Connections	4 m of 100 mm flexible duct with 100 mm collar and square flange for connection to ducts with color coded pressure pickup port.
Size	35 x 35 x 66 cm carrying case
Weight	16.0 kg total system including all orifices, gauges, tubing and flex in a handy, jobsite ready case.
Warranty	2 years on all components except flex duct.



Model 451 Package with DM32 cases and fittings. WiFi, FanTestic reporting software.

Meets or exceeds all requirements of all EN Standards including EN12237, EN1507, FD E51-767 and DW/143.

Manufacturers calibrations for pressure and flow are NIST traceable. Flow calibration conforms to ANSI/AMCA 210.

The DucTester body is 9 kg



Complete system shown with 250 to 100 mm Adapter for depressurizing and two optional orifice plates for the measurement of low flow rates. It all fits into one case weighing only 16kg over your shoulder and ready to test.

Available from :
BSRIA Instrument Solutions
Tel No. : 01344 459314
www.bis.fm

BSRIA
Instrument Solutions