



Sensing Precision

Air Measurement Specialists

Product Datasheet

PATON™ 150 NVH Leakage Tester



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Overview

The **PATON**™ 150 is a low cost, compact, lightweight and totally self-contained testing unit. It develops static pressures from -2500Pa to +2500Pa, and flow rates of 1 to 150l/s. It utilizes three rapid change (push in – pull out) conical inlet nozzles designed to ISO5801:2007. Therefore, the use of conical inlet nozzles makes the **PATON**™ 150 a primary measuring device.

The **PATON**™ 150 features ambient temperature and barometric pressure sensors for real-time density calculations giving improved accuracy when measuring flow rates. The Automatic Test mode utilises PID pressure control to a target pressure and will maintain the target pressure for the duration of the test.

The **PATON**™ 150 includes data logging to SD card or USB output to record test data and can load pre-set PID test settings from the SD Card.

Features

- Portable & lightweight; Single person lift.
- Everything pre-connected and ready to use
- Rapid change Conical Inlet Nozzles.
- Easy to use single instrument with menu driven interface.
- SD card & USB Data output.
- Configurable settings include:
 - Ambient conditions, sensor damping, units of measure, data save rate.
- Able to measure flow in STD conditions or Actual conditions.
- Four operating languages: English, French German & Spanish.
- Only return the electronic instrument for annual calibration.
- Entire unit can fit in boot of a small hatchback car.
- Maximum recommended SD Card – 32GB SDHC Class 1

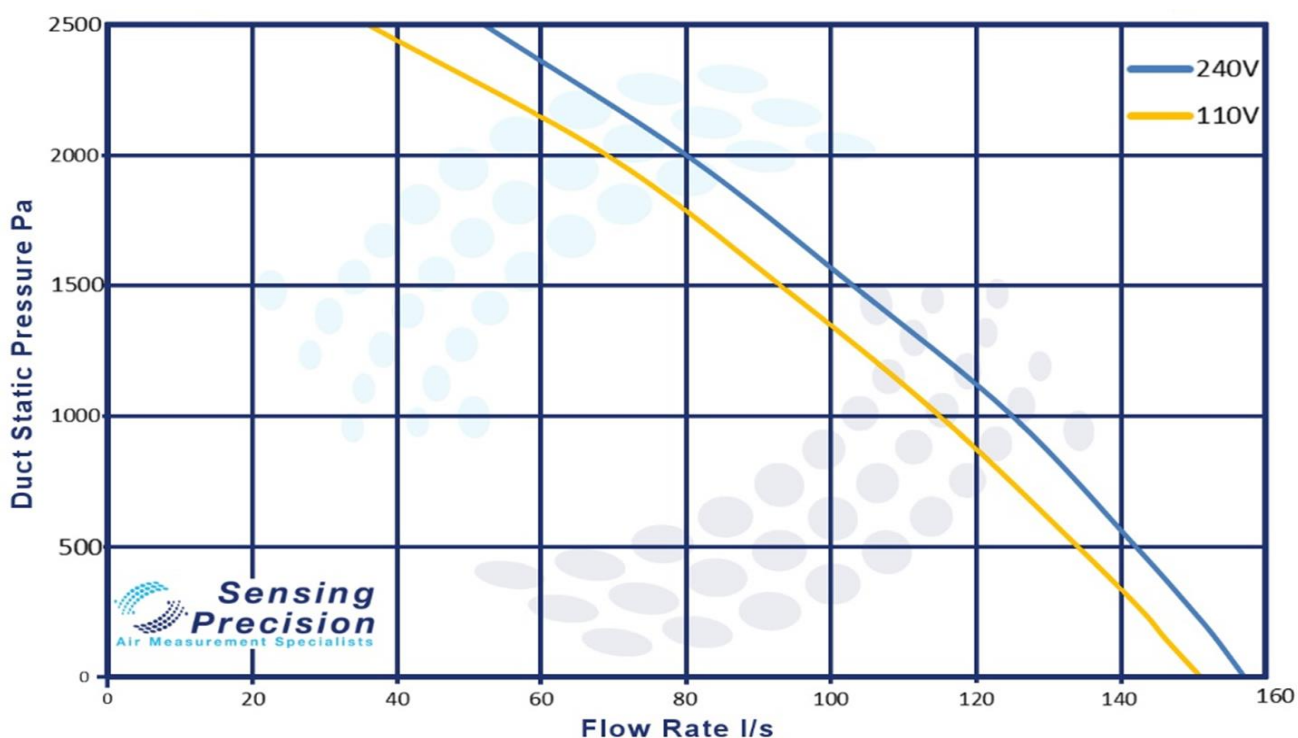
Applications

- Cab Leakage Testing
- Chilled Beam Testing
- AHU Leakage Testing
- Other End of Line Testing
- Testing after refurbishments
- Testing before/after duct cleaning
- Automatic back pressure compensated flow measurement for Fan testing.

Specifications

Volume Flow Measurement	1 to 150 l/s - Over Nozzle Range
Pressure Measurement	±2500 Pa
Typical Duty Points	70 l/s at 2000 Pa 140 l/s at 500 Pa
Pressure Measurement Accuracy	±0.5% of reading ±1 Pa
Volume Flow Accuracy	±2% of reading 0.01l/s
Resolution	1 Pa
Sensor Damping	0.5s to 16s
Power	400W
Voltage Options	240Vac 50/60 Hz 110Vac 50/60 Hz
Unit Size	35w x 46d x 80h cm
Unit Weight	20Kg
Carry Case	45w x 45d x 55h cm - 10.5Kg
Trolley	38w x 20d x 94h cm - 6.7Kg
Maximum recommended SD Card	32GB SDHC Class 1

Typical Performance Curves





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