

## Product Datasheet ALF225 Duct Leakage Tester



## Overview

The ALF225 is designed with three rapid change (push in – pull out) conical inlet nozzles designed around ISO5801:2007. The use of conical inlet nozzles makes the ALF225 a primary measuring device.

It features ambient temperature and barometric/absolute pressure sensors for real-time compensation giving improved accuracy when measuring flow rates. It also features a PID test pressure control mode with data logging, providing a fully automatic test facility for increased productivity.

The ALF225 come with a single all in one instrument making this duct leakage tester easy to use and configure through the intuitive menu driven user interface. The instrument is equipped with Bluetooth 2.0, SD Card, and USB Output. A Flexi-Hose with pre-connected machine coupling, duct adapter and static pressure tubing is included in the carry case so that the ALF225 is ready to use from the moment it is unpacked.

## Product Features

- Portable
- 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.
- Bluetooth 2.0 for Bluetooth enabled thermal printer.
- Configurable settings include:
  - Ambient conditions, sensor damping, units of measure, data record 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.
- Maximum recommended SD card – 32GB SDHC Class 1

## Applications

- Ductwork Leakage Testing
- Damper 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.

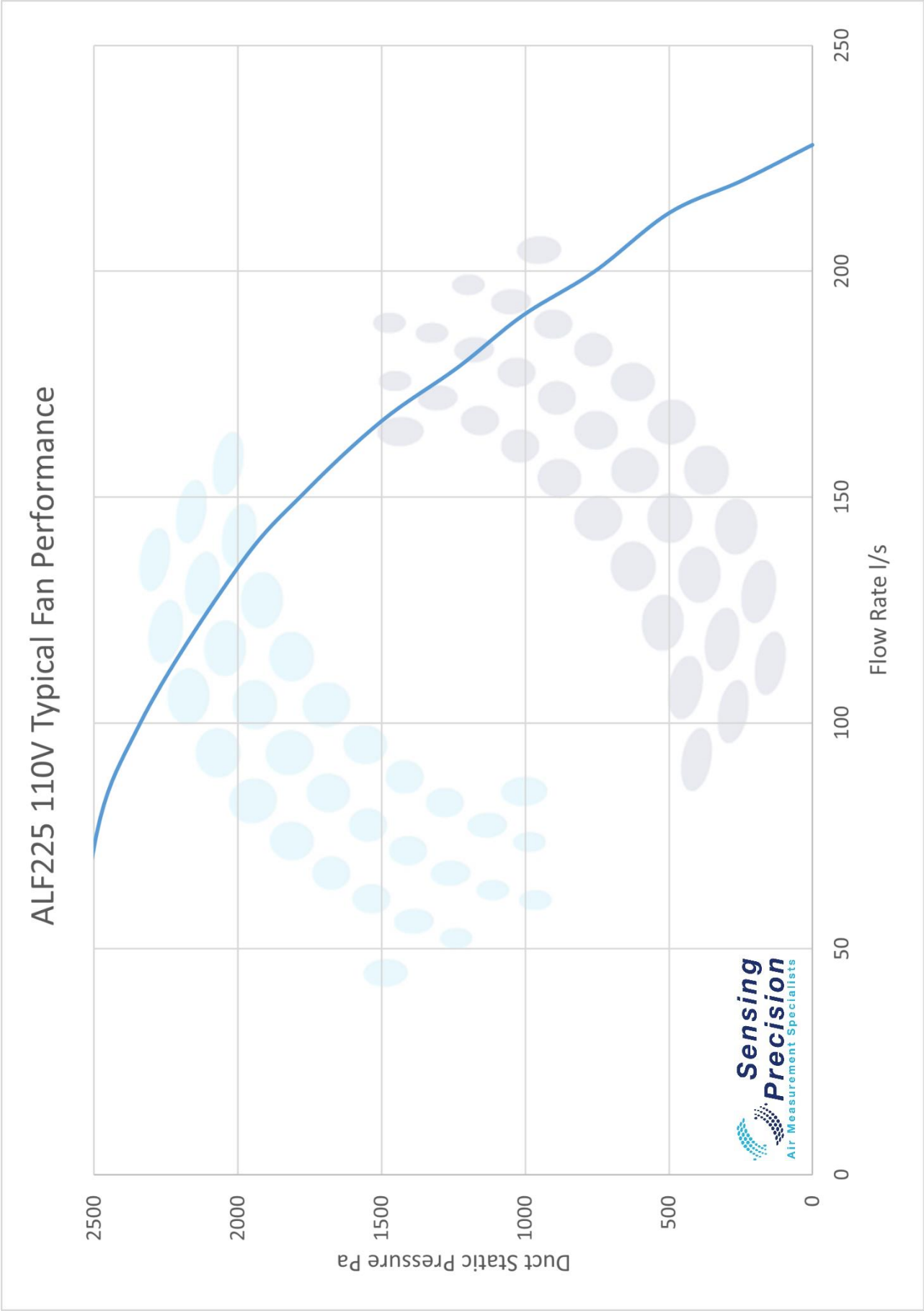
## Key Features

- DW/143 Class A-D Eurovent 2/2, SMACNA Standards
- Three Rapid Change Conical Inlet Nozzles
- 240V or 110V Options
- Measure Leakage in Actual or STD Conditions
- Data Output to SD Card & USB
- Bluetooth for Printer
- Manually Program Ambient Conditions
- Manual Test Control
- PID Test Control by Programmable Target Pressure
- Measure Ambient Temperature, Barometer & Humidity in Real Time (on Plus Version)

## Specifications

Standards	BS EN 1507, 12237, DW/143, SMACNA
Volume Flow Measurement	1 to 225 l/s - Over Nozzle Range
Pressure Measurement	±2500 Pa
Typical Duty Points	130 l/s at 2000 Pa 210 l/s at 500 Pa
Pressure Measurement Accuracy	±1% of reading ±1 digit
Volume Flow Accuracy	±2.5% of reading ±1 digit
Temperature and Humidity Accuracy (Plus Version)	±0.25°C ±3 %RH
Barometer Accuracy (Plus Version)	±0.25 hPa
Differential Pressure Sensor Resolution	1 Pa
Sensor Damping	0.5s to 8s
Power	800W
Voltage Options	240Vac 50/60 Hz 110Vac 50/60 Hz
Unit Size	39w x 52d x 74h cm
Unit Weight	32Kg
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
Bluetooth Version	Bluetooth 2.0
Bluetooth Range	~5m (With clear line of sight)

Product Datasheet – ALF225 Duct Leakage Tester  
Performance Curve







Sensing Precision Limited  
15 – 16 Bates Industrial Estate  
Stokenchurch, High Wycombe,  
Bucks, HP14 3PD, UK

[www.sensing-precision.com](http://www.sensing-precision.com)  
[info@sensing-precision.com](mailto:info@sensing-precision.com)

+44 (0) 1494 363 333

Registered in England No. 07878150

