

# Air Balancing Kit 2



- Unique transparent front panel
- Ergonomic handles
- Redesigned base unit
- From 5 l/sec, 18 m<sup>3</sup>/hr, 11 cfm  
To 1000 l/sec, 3600 m<sup>3</sup>/hr, 2119 cfm
- Manual storage button
- Detachable TT550 (V) Micromanometer

The unique transparent front panel, on every canvas, gives easy viewing when aligning the hood to the grill.

The redesigned base unit now includes ergonomic handles which makes it easier to carry and comfortable to hold. With the new hinged Micromanometer housing, the dpm hood now weighs 3.8 kg.

The position of the storage button makes it easier to store the measured values.

## Standard Accessories

TT550 (V) Series Micromanometer  
dpm Ane™  
Tubing, Adaptors and Neck Sling  
600 mm x 600 mm Canvas  
600 mm x 600 mm Frame

Base Unit  
Set of Poles  
Low Volume Adaptor Plate  
Airflow Straighteners  
Wheeled Carrying Case



By simply adding the 400 mm x 400 mm short canvas (as illustrated), a starting volume of 5 l/sec, 18 m<sup>3</sup>/hr, 11 cfm is achievable and being only 610 mm high, it gives easy access to the grills.

## Applications

- Aerodynamics and air flow research.
- Furnace draught measurement.
- Paint booth and clean room measurement.
- Gas flow measurement.
- HVAC commissioning and maintenance.
- Wind tunnel testing.
- COSHH requirements relating to airflow and pressure.

## Optional Extras

### Canvases:

- 1 ft x 4 ft – 300 mm x 1200 mm
- 1 ft x 5 ft – 300 mm x 1500 mm
- 2 ft x 4 ft – 600 mm x 1200 mm
- 3 ft x 3 ft – 900 mm x 900 mm
- 1.3 ft x 1.3 ft – 400 mm x 400 mm tall
- 1.3 ft x 1.3 ft – 400 mm x 400 mm short

### Rubber Boot

- Pitot Tubes Ellipsoidal / dpm-i Straight
- Mini Hood Kit
- Frame Kit for Canvases
- Frame - 400 mm x 400 mm
- Downloading Software and Connecting Cable

Canvases are also available without the transparent panel

## Specifications

550 Models			Range / Resolution in High Sensitivity Setting			
SV	CV	DV	Pressure			
●	●	●	Pa	± 0.06 to 99.99	± 100.0 to 999.9	± 1000 to 5000
	●	●	mm H <sub>2</sub> O	± 0.004 to 9.999	± 10.00 to 99.99	± 100.0 to 510.0
	●	●	in H <sub>2</sub> O	± 0.000 to 9.999	± 10.00 to 20.00	
	●	●	mbar	± 0.000 to 9.999	± 10.00 to 50.00	
			<b>Velocity</b>	Ellipsoidal	dpm-i	dpm-Ane™
●	●		m/sec	2.00 to 90.0	0.27 to 30.0	0.27 to 50.0
		●	ft/min	394 to 17730	53 to 5905	53 to 9843
			<b>Volume (dpm Hood)</b>	Low volume adaptor plate		
●	●		l/sec	Supply / Exhaust	5 to 25	25 to 1000
●	●		m <sup>3</sup> /hr	Supply / Exhaust	18 to 90	90 to 3600
		●	cfm	Supply / Exhaust	53	45 to 2119

### Accuracy

#### Pressure at 20°C

- Readings <100 counts ± 2 counts
- Readings >100 counts ± 1% of reading ± 1 count

#### Velocity with Ellipsoidal type at 16°C, 1000 mbar

- Readings <100 counts ± 2 counts
- Readings >100 counts ± 1% of reading ± 1 count

#### Velocity with dpm Ane™ at 16°C, 1000 mbar

- Readings up to 8 m/sec (1575 ft/min) ± 1% of reading ± 0.03 m/sec
- Readings from 8 to 50 m/sec (1575 to 9843 ft/min) ± 1 m/sec (197 ft/min)

#### Velocity with dpm-i type at 16°C, 1000 mbar

- ± 3% of reading or ± 0.05 m/sec (10 ft/min) ± 1 count. Whichever is greater

#### Volume with dpm Hood at 16°C, 1000 mbar

- With Adaptor Plate and using appropriate settings:  
Flow <25 l/sec (90 m<sup>3</sup>/hr, 53 cfm) ± 3% of reading ± 2 l/sec (7 m<sup>3</sup>/hr, 4 cfm)
- Without Adaptor Plate and using appropriate settings:  
Flow >25 l/sec (90 m<sup>3</sup>/hr, 53 cfm) ± 3% of reading ± 4 l/sec (14 m<sup>3</sup>/hr, 9 cfm)

#### Volume with dpm Mini Hood Kit at 16°C, 1000 mbar

- Using appropriate settings:  
Flow <12 l/sec (44 m<sup>3</sup>/hr, 25 cfm) ± 3% of reading ± 2 l/sec (7 m<sup>3</sup>/hr, 4 cfm)



In the interest of product development and improvement DP Measurement reserves the right to amend specifications, discontinue models, features and colours of the TT Series Micromanometers and dpm Hood at any time without prior notice.  
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Manufactured by:



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