

# TT 550 V-Series Micromanometer



The dpm TT 550 V-Series High Res Micromanometer with its unique differential capacitance transducers and programmable auto zero facility stores up to three Pitot Tube factors, up to four duct settings and a maximum of 2500 readings.

A choice of 12 models is available with options for pressure, air velocity and volume ranges, landscape or portrait orientation, and dry cell or rechargeable batteries.

Readings can be downloaded to PC in basic format with optional download software. By selecting the sensitivity mode in the User Menu, it is possible to have two micromanometers in one.

Weighing 555 g, measuring 45 x 92 x 185 mm and powered by a single battery; the TT 550 V-Series High Res Micromanometer is ideal for the modern engineer.

## Specifications

550 Models			Range / Resolution in High Sensitivity Setting			
<b>SV</b>	<b>CV</b>	<b>DV</b>	<b>Pressure</b>			
●	●	●	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 30	30 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)



Manufactured in UK

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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## DP Measurement

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## Associated Instrument Repairs

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