

# TT 570 Low Res Micromanometer



Pressure	Velocity
$\pm 0$ to 7.50 KPa $\pm 0$ to 30.0 inH <sub>2</sub> O	1.3 to 99.9 m/sec 256 to 19600 ft/min

## Pressure:



## Features:

- Back Light
- Auto Zeroing
- Single Battery
- Average Velocity
- Average Pressure
- Store up to 2500 Readings
- Air Density Correction Factor



The TT 570 Low Res Micromanometer with its unique differential capacitance transducers and programmable auto zero facility stores a maximum of 2500 readings.

Readings can be downloaded to PC in basic format with optional download software.

Weighing 555 g, measuring 45 x 92 x 185 mm and powered by a single battery; the TT 570 Low Res Micromanometer is ideal for the modern engineer.

## Velocity with Ellipsoidal Pitot Static Tube:



## Standard Accessories:

- 2 x 6 mm Tubing Adaptors (2)
- 3 m x 2 mm Bore Flexible Tubing (2)
- Calibration Certificate
- Instruction Manual
- Neck Sling
- Soft Lined Case

## Optional Extras:

- dpm Ane™
- Download Software
- Pitot Static Tubes
- Rubber Holster
- Test Set Case

Pressure						Velocity			
Models:						Range / Resolution:			
570 S	570 M	570 A	570 B	570 C	570 D	Pressure:			
●				●	●	KPa	± 0 to 999 Pa	± 1.00 to 7.50 KPa	
	●			●	●	mmH <sub>2</sub> O	± 0 to 9.99	± 10 to 99.9	± 100 to 750
		●		●	●	inH <sub>2</sub> O	± 0 to 9.99	± 10.0 to 30.0	
			●	●	●	mbar	± 0 to 0.99	± 10.0 to 75.0	
						Velocity (with Ellipsoidal Pitot Static Tube):			
●	●		●	●		m/sec	1.3 to 99.9		
		●			●	ft/min	256 to 19600		

#### Accuracy:

#### Pressure at 20°C and Velocity (with Ellipsoidal Pitot Static Tube) at 16°C, 1000 mbar:

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

#### General Specifications:

<b>Recommended Operational Limits:</b>	0° to 50°C (32° to 123°F)
<b>Span Stability versus Temperature:</b>	0.1% of range in use per °C (per 2°F)
<b>Zero Drift:</b>	Negligible due to auto zero system When auto zero set a 60 second intervals (2 minute warm up)
<b>Zero System Accuracy:</b>	± 0.05 Pascal typical
<b>Orientation Effect:</b>	(any 45° change) 0.1 Pascal typical
<b>Output Socket:</b>	RS 232 (baud rate 9600)
<b>Data Logging:</b>	Up to 2500 any units
<b>Software:</b>	Download data to PC in very basic form
<b>Power Source:</b>	Dry Cell (MN1604, PP3) or Rechargeable
<b>System Air Leak:</b>	0.1 ml/minute at 5 KPa (typical)
<b>Safe Line / Differential Pressure:</b>	15KPa
<b>Storage Temperature Limits:</b>	-5° to +50°C
<b>Weight:</b>	555 g with battery
<b>Dimensions:</b>	45 x 92 x 185 mm
<b>Applications:</b>	Aerodynamics and Airflow Research COSHH requirements relating to Airflow and Pressure Furnace Draught Measurement Gas Flow Measurement HVAC Commissioning and Maintenance Paint Booth and Clean Room Testing Wind Tunnel Testing



In the interest of continuous product development and improvement DP Measurement reserve the right to amend specifications and discontinue models, features and colours of the TT Series and dpm Ane™ at any time without prior notice.

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#### Associated Instrument Repairs

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