TT 550 Micromanometer

High Resolution Specification

Pressure	Velocity
± 0.06 to 5000 Pa	0.27 to 90.0 m/sec
± 0.000 to 20.00 inH_2O	53 to 17730 ft/min

Features:

- Back Light
- Area Setting
- Auto Zeroing
- Single Battery
- 0.01 Resolution
- Average Velocity
- Pitot Tube Factor
- Average Pressure
- Store up to 2500 Readings
- Air Density Correction Factor

The TT 550 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.

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 High Res Micromanometer is ideal for the modern engineer.

TT 5 series with boot and i Pitot 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

Models				Range / Resolution:			
550	550S	550C	550D	**Pressure:**			
●	●	●	●	Pa	± 0.06 to 99.99	± 100.0 to 999.9	± 1000 to 5000
●		●	●	mmH_2O	± 0.004 to 9.999	± 10.00 to 99.99	± 100.0 to 510.0
●		●	●	inH_2O	± 0.000 to 9.999	± 10.00 to 20.00	
●		●	●	mbar	± 0.000 to 9.999	± 10.00 to 50.00	
				Velocity :	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 9842

Accuracy:

Pressure at 20°C, Velocity (with Ellipsoidal Pitot Static Tube at 16°C, 1000 mbar):
Readings < 100 counts ± 2 counts. Readings > 100 counts ± 1% of reading ± 1 count.
Velocity with dpm-i Pitot Tube at 16°C, 1000 mbar (PT factor set at 0.838):
± 3% of reading or ± 0.05 m/sec (10 ft/min) ± 1 count. Whichever is greater.
Velocity with dpm Ane™ at 16°C, 1000 mbar (PT Factor set at 0.843):
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 9842 ft/min) ± 1 m/sec (197 ft/min)

General Specifications:

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

Manufactured in UK

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.

DP Measurement
Unit 11, Top Angel, Buckingham Industrial Park
Buckingham, England. MK18 1TH
Tel / Fax +44 (0)1280 817122
www.ttseries.com email dpm@ttseries.com

Distributed by:

Associated Instrument Repairs
Unit 11, Top Angel, Buckingham Industrial Park
Buckingham, England. MK18 1TH
Tel / Fax +44 (0)1280 823823
www.a-i-r.co.uk email air@ttseries.com