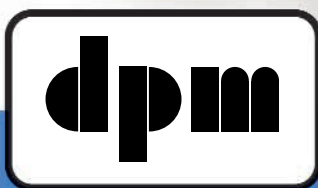


TT SERIES MICROMANOMETER



For Measurement of Air Velocity and Pressure
Positive Negative or Differential

A major revamp in technology and introducing capacitance transducers, to TT Series Micromanometer gives rise to new features.

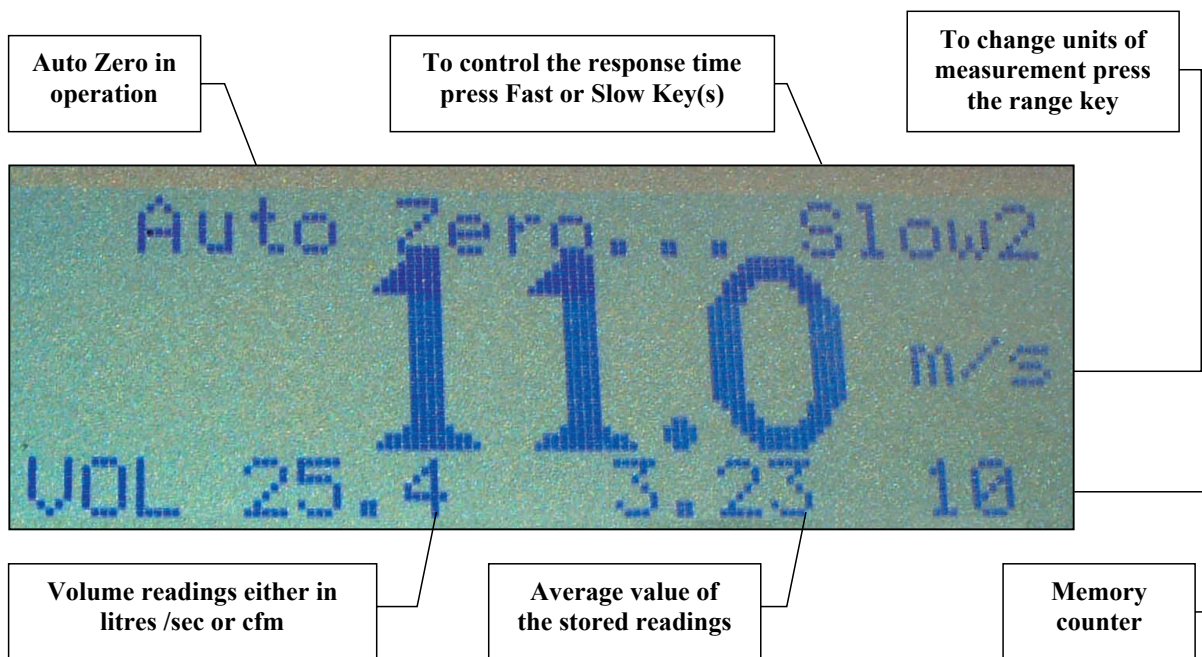
NEW FEATURES

Velocity Resolution:	Select by using the user menu to display 1 or 2 decimal place.
Volume Reading:	Input dimensions in mm or ins, for direct readings in litres /sec or cfm.
Average Value:	Displayed when logging.
Delete Last Result:	Use the menu option to delete stored value.
K Factor:	Store up to four different K factor values, for direct reading in litres/sec or m ³ /hr.

ORIGINAL FEATURES

Auto Ranging:	Changes scale and resolution depending upon the pressure applied.
Multi Range:	Select the units of measurement.
Data logging:	Up to 1400 readings can be stored, manually or with time interval.
Permanent Recording:	For continuous monitoring and record on thermal printer.
PC Connection:	Down load data to PC.
Audible Feedback:	Added confidence.
Auto Switch Off:	To prolong battery life.
Auto Zero:	Check and set zero in situ.
Serial Number protection:	Preprogrammed for added security.

DISPLAY FACILITIES



Models	570	570 SV	570 MV	570 AV	570 BV	570 CV	570 DV
Pressure							
pascals	•	•				•	•
mmH ₂ O	•		•			•	•
in H ₂ O	•			•		•	•
mbar	•				•	•	•
Velocity							
m/sec		•	•		•	•	
ft/min				•			•
Volume							
litres/sec		•	•		•	•	
cfm				•			•
Volume (K)							
litres/sec		•	•	•	•	•	•
m ³ /hr		•	•	•	•	•	•

MENU SETTINGS

Feature	Minimum Setting	Maximum Setting
Auto Zero Time	30 seconds	600 seconds
Switch Off Period	0 minutes	60 minutes
Temperature*	-50°C	+ 400°C
Barometric Pressure*	850 millibar	1200 millibar
K Factor*	0.0 litres/sec 0 m ³ /hr	99.9 litres/sec 500 m ³ /hr
Back Light	0 seconds	1200 seconds
RS 232 Result	5 seconds	3600 seconds
Velocity Readings*	1 decimal place	2 decimal place
Set Area*	0 mm 0 ins	9999 mm 999 ins
Start Recording	1 second	59 minutes 59 seconds

Standard Accessories

3m x 2mm bore flexible tubing. (2), 2mm /6mm tubing adaptors. (4), Neck sling, Instruction Manual, Calibration Certificate and soft lined case.

Optional Extra

RS 232 lead for PC, Basic Software to download data on PC.

Applications

HVAC Commissioning and maintenance. Gas flow measurement. Aerodynamics and air flow research. COSHH requirements relating to airflow and pressure. Furnace draught measurement. Paint booth and clean room measurement.

*Only applicable to velocity instrument(s)

SPECIFICATIONS

Pressure				
pa	±0 to 99.9	±100 to 999	±1.00 to 7.50 Kpa	
mmH ₂ O	±0 to 0.999	±1.00 to 9.99	±10.0 to 99.9	±100 to 750
inH ₂ O	±0 to 0.999	±1.00 to 9.99	±10.0 to 30.0	
mbar	±0 to 0.999	±1.00 to 9.99	±10.0 to 75.0	
Velocity				
m/sec	1.00 to 9.99	10.0 to 99.9		
ft/min	100 to 20,000			
Volume Flow Rate				
K Factor	litres/sec:	0 to 99.9	100 To max	
	m ³ /hr:	0 to 100	To max	
Accuracy @ 20°C				
pressure and velocity	Readings < 100 counts ± 2 counts			
	Readings > 100 counts ± 1% of reading ± 1 count			
litres / sec and m ³ / hr	Readings < 100 counts ± 2 counts			
	Readings > 100 counts ± 1% of reading ± 1 count			
Recommended Operational Limits	0° to 50°C (32° to 123°F)			
Span Stability v. Temperature	Better than 0.1% of range in use per °C (per 2°F)			
Zero Drift	(2 minute warm up) Negligible due to autozero system. When auto zero set at 1 minute intervals.			
Zero System Accuracy	± 1 count (any range)			
Orientation Effect	(any 45° change) 0.1 pascal typical			
Output Socket	RS 232 (baud rate 9600)			
Data Logging	Up to 1400 readings of any units.			
Software	Down load readings to PC in a very basic form. (Optional)			
Power Source	Dry cell (MN1604, PP3)		Rechargeable 8.4v 120 mAh	
System Air Leak (Typical)	0.1ml/minute at 5Kpa			
Safe Line / Differential Pressure	15 Kpa			
Storage Temperature Limits	-5° to + 50°C			
Dimensions	45 x 92 x 185 mm			
Weight	555 grammes with battery			

DP MEASUREMENT

Monument Business Park Chalgrove
Oxford OX44 7RW England
Telephone / Fax ++ 44 (0) 1865 400240
www.ttseries.com

In the interest of continuous product development and improvement, DP Measurement reserve the right to amend the specifications, models, features and colour of the TT Series Micromanometers at any time with out prior notice.

Distributed by:



Monument Business Park
Chalgrove Oxford OX44 7RW
Tel/Fax 01865 891700