ST6 MINI TEST SET

Pressure	Velocity	Temperature
± 0.4 to 5000 Pa ± 0 to 20.0 inH_2O	0.70 to 90.0 m/sec 138 to 17700 ft/min	0 to 500.0°C 0 to 932°F

Pressure:

Velocity with dpm Ane™:

Temperature with K - Type Probe:

Features:

- Fits into one handheld case
- Utilises fundamental principles
- No moving parts or electronic sensors on sensing probes
- One Micromanometer operates all sensing probes

The 100 mm dpm Ane™ head weighs 133 g and contains no sensing electronics and no moving parts. It features an array of calibrated forward and reverse facing sensors around a central hub and utilises fundamental principles for the accurate measurement of pressure and conversion to velocity.

Digital Pocket Manometer allows the engineer to select velocity resolution.

With a multi-function white LED backlit display, the auto-ranging, auto-zeroing manometer is able to give true pressure, velocity and live volume readings with optional temperature measurement using K-type probes.

A maximum of 4000 readings can be stored in the manometer at any one time; up to 9 different locations are available. Readings can be downloaded using DpmUsb Software, which can also be used for continuous monitoring, utilising the PC to set parameters.

The manometer weighs 360 g, measures 145 x 85 x 50 mm and is powered by 2 AA batteries; the Digital Pocket Manometer is ideal for the modern engineer.

Standard Accessories:

- 2 x 6 mm Tubing Adaptors (1)
- 3 m x 2 mm Bore Flexible Tubing (2)
- Ane Handle
- Calibration Certificate
- dpm Ane™
- Instruction Manual
- Rubber Holster
- ST6 Series Micromanometer
- Softline Carrycase

Optional Extras:

- K - Type Immersion Probe
- K - Type Surface Probe
- K - Type Air Probe
- DpmUsb Software

Pressure	Velocity	Temperature

Models:

ST650 M	ST650 I	ST610 – Ane
●		
●		
●		
●		
	●	
●		
	●	
	●	
●		●
	●	●
●	●	●
●	●	●

Range / Resolution:

Pressure:				
Pa	± 0.4 to 999.9	± 1000 to 5000		
KPa	± 0.4 to 99.9 Pa	± 100 to 999 Pa	± 1.00 to 5.00 KPa	
mbar	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 50.0	
mmH_2O	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 99.9	± 100 to 510
inH_2O	± 0.000 to 0.999	± 1.00 to 9.99	± 10.0 to 20.0	
mmHg	± 0.000 to 0.999	± 10.00 to 37.51		
inHg	± 0.000 to 0.999	± 1.00 to 1.47		
PSI	± 0.000 to 0.726			
Velocity:	dpm Ane™	dpm-i Pitot Tube	Ellipsoidal Pitot Tube	
m/sec	0.70 to 25.0	0.70 to 30.0	2.00 to 90.0	
ft/min	138 to 4921	138 to 5905	394 to 17700	
Temperature (with K – type probe):				
°C	± 0.0 to 500.0			
°F	± 0 to 932			

Accuracy:

Pressure at 20°C,
Velocity with Ellipsoidal type at 16°C, 1000 mbar:
Readings < 100 counts ± 2 counts.
Readings > 100 counts ± 1% of reading ± 1 count

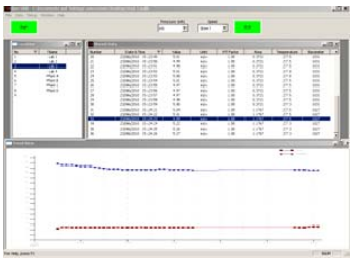
Velocity with dpm-i type at 16°C, 1000 mbar:
± 3% of reading or ± 0.05 m/sec (10 ft/min)
± 1 count whichever is greater.

Velocity with dpm-Ane™ at 16°C, 1000 mbar:
Readings up to 8 m/sec (1575 ft/min)
± 1% of reading ± 0.03 m/sec.
Readings from 8 to 25 m/sec (1575 to 4921 ft/min)
± 1 m/sec (197 ft/min).

Temperature at 20°C:
± 2°C (36°F)

DpmUsb Software:

Downloading data:



Monitoring:

DpmUsb Software can be used for downloading data and / or for monitoring.

DpmUsb Software allows the engineer to select the Auto Zero time, the Auto Store time and the default temperature and barometer settings; 10 Pitot Tube Factors and 10 K Factors can be stored on the PC.

Data can be viewed and printed in report and / or graph form; it can also be arranged in a database with the engineer choosing the visible fields, location names and how the data is organised.

The on-screen multi-view display offers a choice of digital monitors and gauges with the maximum and minimum values of all gauges being user set.

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 ST6 Series and dpm Ane™ at any time without prior notice.

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