

5 PSI PITOT PRESSURE TEST

Product: CIP S/N: 0109-34

450 mBar	Pressure	ADC	Volts (from ADC)
Static	450	1771	2.162393162

550 mBar	Pressure	ADC	Volts (from ADC)
Static	548.5	2171	2.650793651

650 mBar	Pressure	ADC	Volts (from ADC)
Static	650	2572	3.14041514

Ambient mBa	Pressure	ADC	Volts (from ADC)
Static	845.4	3307	4.037851038
225 mb	225	2683	3.275946276
150 mb	150	1798	2.195360195
75 mb	75	903	1.102564103
0 mB	0	0	0

1000 mBar	Pressure	ADC	Volts (from ADC)
Static	1000	3958	4.832722833

Operator: BB
Date: 3/9/2011

Static Summary

Static	450	1771	2.1624
Static	548.5	2171	2.6508
Static	650	2572	3.1404
Static	845.4	3307	4.0379
Static	1000	3958	4.8327

slope 0.2536 mbar/bit
intercept -0.067 mbar
r^2 0.9997

Dynamic Average

slope	0.0839 mbar/bit
intercept	-0.367 mbar

Calculated PACS Values

Static	0.2526 mbar/bit
Dynamic	0.0842 mbar/bit

Calculated PADS Values

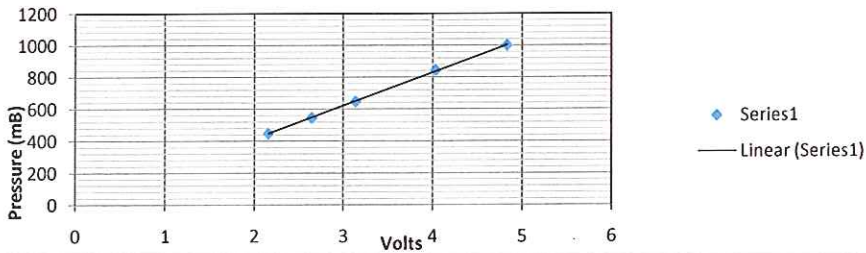
Static Slope	206.879 mbar/V
Dynamic slope	68.9598 mbar/V

Calculation is based on pressure transducer data sheet, electronic gain and offset and ADC range.

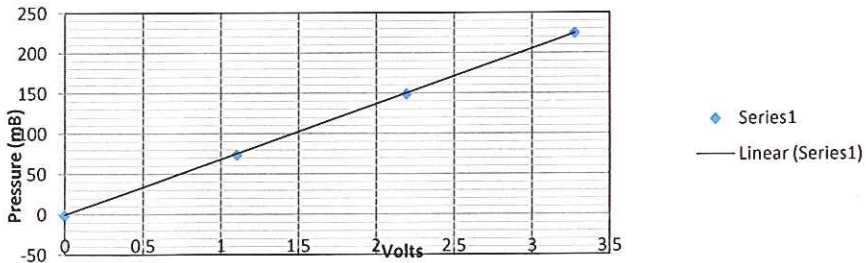
Measured PADS Values

Static Slope	207.691 mbar/V
Static intercept	-0.0669 mBar
Dynamic slope	68.6759 mbar/V
dynamic intercept	-0.3667 mBar

Static Pressure



Dynamic Pressure



Sampling

Not Recording

Read a File

Display Range

All

02 d 08:35:49

(0) CIP Setup Debug

CIP Data CIP Housekeeping CIP Cal Parameters

Diode 1(V)	2.11	CIP Probe Time	08:35:48.185
Diode 32(V)	2.49	Airspeed (m/s)	25
Diode 64(V)	2.21	RH %	-25.65
DSP Board Temp(C)	30.8	LWC Hotwire (V)	0.01
Laser Current (mA)	74.6	LWC Slave (V)	0.01

Enable Enabled

CIP # Conc/LWC CIP Images CIP Selectable Charts Full Hist Debug Image Port 0 COM Port 5 v2.8.5 No Fault

Y-Axis AutoScale Log-Scale

X-Axis AutoScale Log-Scale

CIP Particle Counter

