



## REPORT OF CALIBRATION

This instrument is calibrated and tested to verify compliance with Martel's test specifications for all ranges and parameters required to meet 1 year performance specifications. The calibration uses measurement standards traceable to the National Institute of Standards and Technology (NIST). This calibration complies with the requirements of ANSI/NCSS Z540-1-1994 part 2. Calibration and verification are performed at an ambient temperature of  $23 \pm 5^\circ\text{C}$  and relative humidity of  $> 20\%$  to  $< 70\%$ .

Any test uncertainty (TUR) less than 4:1 appears under the TUR heading on the data record. Where the TUR meets or exceeds 4:1, the TUR field is blank.

Tom Fatur

Tom Fatur  
President

Juan Guzman

Calibrated By  
Juan Guzman

Manufacturer: Martel Corporation  
Model: BETAGAUGE-PI-PRO-500G  
Serial Number: 2631108

Cal Date: December 19, 2013  
Report Date: December 19, 2013  
Temperature: 21.0°C  
Relative Humidity: 29 %

Calibration Procedure: GAUGE MASTER : (1 year) FINAL VER MAN/8100 7310C J  
Procedure Revision: 2.1

### Standards Used

Asset	Manufacturer	Model Number	Description	Cal. Date	Due Date
570131	Mensor	8100	Pressure Standard	17-Sep-13	17-Jan-14

### Test Data

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
-12.00 to 500.0 psi Verification.				
507.63_psi	507.62	507.38	507.88	PASS
500.00_psi	500.00	499.75	500.25	PASS
468.75_psi	468.73	468.50	469.00	PASS
406.25_psi	406.24	406.00	406.50	PASS
343.75_psi	343.75	343.50	344.00	PASS
281.25_psi	281.25	281.00	281.50	PASS
250.00_psi	250.00	249.75	250.25	PASS
218.75_psi	218.74	218.50	219.00	PASS
156.25_psi	156.24	156.00	156.50	PASS
93.75_psi	93.75	93.50	94.00	PASS
43.75_psi	43.76	43.50	44.00	PASS
0.00_psi	0.00	-0.25	0.25	PASS
-5.00_psi	-4.98	-5.50	-4.50	PASS
-12.00_psi	-11.98	-12.50	-11.50	PASS
-0.827 to 35.000 Bar Verification.				
35.000"Bar"	34.999	34.982	35.018	PASS
34.474"Bar"	34.474	34.456	34.492	PASS
32.319"Bar"	32.318	32.301	32.337	PASS
28.010"Bar"	28.009	27.992	28.028	PASS
23.701"Bar"	23.701	23.683	23.719	PASS
19.392"Bar"	19.392	19.374	19.410	PASS
17.237"Bar"	17.237	17.219	17.255	PASS
15.082"Bar"	15.082	15.064	15.100	PASS

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
10.773"Bar"	10.772	10.755	10.791	PASS
6.464"Bar"	6.464	6.446	6.482	PASS
3.016"Bar"	3.017	2.998	3.034	PASS
0.000"Bar"	0.000	-0.018	0.018	PASS
-0.345"Bar"	-0.343	-0.380	-0.310	PASS
-0.827"Bar"	-0.826	-0.862	-0.792	PASS
-82.7 to 3500.0 kPa Verification.				
3500.0_kPa	3499.9	3498.2	3501.8	PASS
3447.4_kPa	3447.4	3445.6	3449.2	PASS
3231.9_kPa	3231.8	3230.1	3233.7	PASS
2801.0_kPa	2800.9	2799.2	2802.8	PASS
2370.1_kPa	2370.1	2368.3	2371.9	PASS
1939.2_kPa	1939.2	1937.4	1941.0	PASS
1723.7_kPa	1723.7	1721.9	1725.5	PASS
1508.2_kPa	1508.2	1506.4	1510.0	PASS
1077.3_kPa	1077.2	1075.5	1079.1	PASS
646.4_kPa	646.4	644.6	648.2	PASS
301.6_kPa	301.7	299.8	303.4	PASS
0.0_kPa	0.0	-1.8	1.8	PASS
-34.5_kPa	-34.3	-38.0	-31.0	PASS
-82.7_kPa	-82.6	-86.2	-79.2	PASS