



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/NCSL 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

Donna Killam

Calibrated By
Donna Killam

Manufacturer: Martel Corporation
Model: 330 150C
Serial Number: 2652154



Cal Date: January 8, 2014
Report Date: January 8, 2014
Temperature: 20.8°C
Relative Humidity: 31 %

Calibration Procedure: 330-150: (1 year) CAL/FINAL VER AUTO/400 3001C
Procedure Revision: 2.0

Standards Used

Asset	Manufacturer	Model Number	Description	Cal. Date	Due Date
181044	Mensor	PCS400	Pressure Standard	11-Dec-13	11-Mar-14
1849212	Martel Corporation	M3001	calibrator	11-Oct-13	10-Jan-14

Test Data

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
mA READ VERIFICATION				
4.000mA	4.000	3.997	4.003	PASS
12.000mA	12.000	11.996	12.004	PASS
24.000mA	24.000	23.994	24.006	PASS
VOLTS READ VERIFICATION				
0.000V	0.000	-0.002	0.002	PASS
15.000V	15.000	14.996	15.004	PASS
30.000V	30.000	29.993	30.007	PASS
Loop Verification.				
25.000V	25.105	22.500	27.500	PASS
mA SOURCE VERIFICATION				
0.000mA	0.000	-0.002	0.002	PASS
4.000mA	3.999	3.997	4.003	PASS
12.000mA	11.998	11.996	12.004	PASS
20.000mA	19.997	19.995	20.005	PASS
24.000mA	23.998	23.994	24.006	PASS
P1 -12.00 to 150.00 psi Verification.				
150.00_psi	150.01	149.95	150.05	PASS
112.50_psi	112.50	112.45	112.55	PASS
75.00_psi	75.00	74.95	75.05	PASS
37.50_psi	37.50	37.45	37.55	PASS
0.00_psi	0.00	-0.05	0.05	PASS
-5.00_psi	-5.00	-5.05	-4.95	PASS



PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
-12.00_psi	-12.00	-12.05	-11.95	PASS
P1 -0.8274 to 10.0000 Bar Verification.				
10.3421"Bar"	10.3428	10.3387	10.3455	PASS
7.7566"Bar"	7.7566	7.7532	7.7600	PASS
5.1711"Bar"	5.1711	5.1677	5.1745	PASS
2.5855"Bar"	2.5855	2.5821	2.5889	PASS
0.0000"Bar"	0.0000	-0.0034	0.0034	PASS
-0.3447"Bar"	-0.3447	-0.3481	-0.3413	PASS
-0.8274"Bar"	-0.8274	-0.8308	-0.8240	PASS
P1 -82.74 to 1000.00 kPa Verification.				
1034.21_kPa	1034.28	1033.87	1034.55	PASS
775.66_kPa	775.66	775.32	776.00	PASS
517.11_kPa	517.11	516.77	517.45	PASS
258.55_kPa	258.55	258.21	258.89	PASS
0.00_kPa	0.00	-0.34	0.34	PASS
-34.47_kPa	-34.47	-34.81	-34.13	PASS
-82.74_kPa	-82.74	-83.08	-82.40	PASS
PT385-100 Read Verification.				
-40.00degC	-40.00	-40.10	-39.90	PASS
0.00degC	0.00	-0.10	0.10	PASS
150.00degC	149.99	149.90	150.10	PASS

End of Test Data

MET/CAL RunTime Report: Calibration Results

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