



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 300C-E

Serial Number: 2463000



Calibration Procedure: 330-300E (1 year) CAL/FINAL VER AUTO/400 3001C

Procedure Revision: 0.80

Cal Date: July 3, 2013

Report Date: July 3, 2013

Temperature: 22.9°C

Relative Humidity: 52 %

Standards Used

Asset	Manufacturer	Model Number	Description	Cal. Date	Due Date
181044	Mensor	PCS400	Pressure Standard	7-Jun-13	6-Sep-13
9798203	Martel Corporation	M3001	Calibrator	17-May-13	16-Aug-13

Test Data

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
mA READ VERIFICATION				
4.000mA	4.001	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	24.784	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	11.999	11.996	12.004	PASS
20.000mA	19.998	19.995	20.005	PASS
24.000mA	23.998	23.994	24.006	PASS
P1 -12.00 to 300.00 psi Verification.				
300.00_psi	300.00	299.92	300.08	PASS
225.00_psi	224.99	224.92	225.08	PASS
150.00_psi	149.99	149.92	150.08	PASS
75.00_psi	75.00	74.92	75.08	PASS
0.00_psi	0.00	-0.08	0.08	PASS
-5.00_psi	-4.98	-5.08	-4.92	PASS

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
-12.00_psi	-11.98	-12.08	-11.92	PASS
P1 -0.827 to 20.684 Bar Verification.				
20.684"Bar"	20.684	20.677	20.691	PASS
15.513"Bar"	15.513	15.506	15.520	PASS
10.342"Bar"	10.341	10.335	10.349	PASS
5.171"Bar"	5.171	5.164	5.178	PASS
0.000"Bar"	0.000	-0.007	0.007	PASS
-0.345"Bar"	-0.343	-0.352	-0.338	PASS
-0.827"Bar"	-0.826	-0.834	-0.820	PASS
P1 -82.7 to 2068.4 kPa Verification.				
2068.4_kPa	2068.4	2067.7	2069.1	PASS
1551.3_kPa	1551.3	1550.6	1552.0	PASS
1034.2_kPa	1034.1	1033.5	1034.9	PASS
517.1_kPa	517.1	516.4	517.8	PASS
0.0_kPa	0.0	-0.7	0.7	PASS
-34.5_kPa	-34.3	-35.2	-33.8	PASS
-82.7_kPa	-82.6	-83.4	-82.0	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