



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

Nancy Fligg

Calibrated By
Nancy Fligg

Manufacturer:	Martel Corporation	Cal Date:	December 28, 2013
Model:	PSC-4010	Report Date:	December 28, 2013
Serial Number:	2640304	Temperature:	21.1°C
		Relative Humidity:	31 %
Calibration Procedure:	Martel PSC4010: (1 year) CAL/FINAL RS-232/5520,3458 SF		
Procedure Revision:	1.0		

Standards Used

Asset	Manufacturer	Model Number	Description	Cal. Date	Due Date
2823A15661	Hewlett Packard	3458A	Multimeter	6-Sep-13	5-Sep-14
7640030	Fluke Corporation	5520A	Calibrator	3-Apr-13	3-Apr-14

Test Data

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
VOLTAGE READ VERIFICATION				
0.000V	0.000	-0.002	0.002	PASS
10.000V	10.000	9.996	10.004	PASS
20.000V	20.000	19.995	20.005	PASS
mV READ VERIFICATION				
0.000mV	0.000	-0.010	0.010	PASS
45.000mV	45.001	44.981	45.019	PASS
90.000mV	90.001	89.972	90.028	PASS
(KHz) FREQUENCY READ VERIFICATION				
9.00KHz	9.00	8.98	9.02	PASS
VOLTAGE SOURCE VERIFICATION				
0.0000V	0.0001	-0.0020	0.0020	PASS
10.0000V	10.0000	9.9965	10.0035	PASS
20.0000V	20.0000	19.9950	20.0050	PASS
mV SOURCE VERIFICATION				
0.000mV	-0.001	-0.010	0.010	PASS
50.000mV	49.998	49.980	50.020	PASS
100.000mV	100.000	99.970	100.030	PASS
(KHz) FREQUENCY SOURCE VERIFICATION				
10000Hz @ 5V	10000	9975	10025	PASS
mA READ VERIFICATION				
4.000mA	4.000	3.997	4.003	PASS

MET/CAL RunTime Report: Calibration Results

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PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
12.000mA	12.000	11.996	12.004	PASS
24.000mA	24.000	23.994	24.006	PASS
mA SOURCE 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

End of Test Data