



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

Juan Guzman

Calibrated By
Juan Guzman

Manufacturer: Martel Corporation
Model: BetaProbe TI
Serial Number: 2581142



Cal Date: December 9, 2013
Report Date: December 19, 2013
Temperature: 21.7°C
Relative Humidity: 33 %

Calibration Procedure: BetaGauge TI: (1 year)AUTO FINAL RS-232/1524,5626
Procedure Revision: 1.0

Standards Used

Asset	Manufacturer	Model Number	Description	Cal. Date	Due Date
2906	Fluke Corporation	5626	Platinum Resistance Thermometer	17-Jan-13	17-Jan-14
1348082	Fluke Corporation	1524	Temperature Indicator	7-Oct-13	7-Jan-14

Test Data

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
degC Verification				
-44.792degC	-44.789	-44.852	-44.732	PASS
-39.944degC	-39.948	-40.004	-39.884	PASS
-34.954degC	-34.965	-35.014	-34.894	PASS
-29.996degC	-30.010	-30.056	-29.936	PASS
-25.002degC	-25.018	-25.062	-24.942	PASS
-19.983degC	-19.998	-20.043	-19.923	PASS
-14.985degC	-14.998	-15.045	-14.925	PASS
-5.001degC	-5.007	-5.061	-4.941	PASS
-0.002degC	-0.004	-0.062	0.058	PASS
9.947degC	9.948	9.887	10.007	PASS
19.988degC	19.990	19.928	20.048	PASS
29.930degC	29.935	29.870	29.990	PASS
39.988degC	39.997	39.928	40.048	PASS
49.945degC	49.952	49.885	50.005	PASS
60.067degC	60.072	60.007	60.127	PASS
69.978degC	69.985	69.918	70.038	PASS
79.996degC	79.998	79.936	80.056	PASS
89.984degC	89.987	89.924	90.044	PASS
99.986degC	99.985	99.926	100.046	PASS
109.985degC	109.986	109.925	110.045	PASS
119.984degC	119.981	119.924	120.044	PASS

PARAMETER	RESULT	ACCEPTANCE LIMITS		TUR
		LOW	HIGH	
129.981degC	129.978	129.921	130.041	PASS
139.989degC	139.987	139.929	140.049	PASS
149.982degC	149.980	149.922	150.042	PASS
degF Verification				
-48.626degF	-48.620	-48.734	-48.518	PASS
-39.899degF	-39.906	-40.007	-39.791	PASS
-30.917degF	-30.937	-31.025	-30.809	PASS
-21.993degF	-22.018	-22.101	-21.885	PASS
-13.004degF	-13.032	-13.112	-12.896	PASS
-3.969degF	-3.996	-4.077	-3.861	PASS
5.027degF	5.004	4.919	5.135	PASS
22.998degF	22.987	22.890	23.106	PASS
31.996degF	31.993	31.888	32.104	PASS
49.905degF	49.906	49.797	50.013	PASS
67.978degF	67.982	67.870	68.086	PASS
85.874degF	85.883	85.766	85.982	PASS
103.978degF	103.995	103.870	104.086	PASS
121.901degF	121.914	121.793	122.009	PASS
140.121degF	140.130	140.013	140.229	PASS
157.960degF	157.973	157.852	158.068	PASS
175.993degF	175.996	175.885	176.101	PASS
193.971degF	193.977	193.863	194.079	PASS
211.975degF	211.973	211.867	212.083	PASS
229.973degF	229.975	229.865	230.081	PASS
247.971degF	247.966	247.863	248.079	PASS
265.966degF	265.960	265.858	266.074	PASS
283.980degF	283.977	283.872	284.088	PASS
301.968degF	301.964	301.860	302.076	PASS