

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
Model: TC100
Serial Number: 2615049



Calibration Procedure: TC100:(1 year)FINAL MANUAL/5520,1281,1521 C
Procedure Revision: 1.0

Cal Date: December 27, 2013
Report Date: December 27, 2013
Temperature: 20.9°C
Relative Humidity: 31 %

Standards Used

| Asset | Manufacturer | Model Number | Description | Cal. Date | Due Date |
|--------------|-------------------|--------------|------------------|-----------|-----------|
| 43681-1281 | Wavetek-Datron | 1281 | Multimeter | 18-Aug-13 | 18-Aug-14 |
| 7675001 | Fluke Corporation | 5520A | Calibrator | 7-Jan-13 | 7-Jan-14 |
| A12693-1521 | Hart Scientific | 1521 | Thermometer | 13-Jan-13 | 13-Jan-15 |
| A121234-5610 | Hart Scientific | 5610 | Thermistor Probe | 16-Jan-13 | 16-Jan-15 |

Test Data

| PARAMETER | RESULT | ACCEPTANCE LIMITS | | TUR |
|---|---------|-------------------|--------|------|
| | | LOW | HIGH | |
| Thermocouple Read Verification - Type J | | | | |
| 20.73degC | 20.75 | 20.48 | 20.98 | PASS |
| Thermocouple Read Verification - mV | | | | |
| -10.000mV | -9.999 | -10.006 | -9.994 | PASS |
| 35.000mV | 34.999 | 34.993 | 35.007 | PASS |
| 75.000mV | 75.000 | 74.990 | 75.010 | PASS |
| Thermocouple Source Verification - mV | | | | |
| -10.000mV | -10.001 | -10.006 | -9.994 | PASS |
| 35.000mV | 35.000 | 34.993 | 35.007 | PASS |
| 75.000mV | 75.001 | 74.990 | 75.010 | PASS |

End of Test Data

MET/CAL RunTime Report: Calibration Results

Calibration Report Number: 01341012272013 2615049

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