CALIBRATION CERTIFICATE

Certificate No: S0002

Calibration type: Temperature

Jericho sensor model: TH-2

Sensor type: NTC 10 kOhm thermistor  
Sensor core component: Generic Chinese refrigerator stainless steel probe

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Jericho Coefficient Solver: V1.0

Steinhart-Hart Equation: )

Table 1 Reference points

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Point | Reference type | Reference temperature  T (°C) | Reference uncertainty4 (+/- °C) | Local Atmospheric Pressure (hPa) | Test procedure1 | Measurement equipment |
| Point 1 | Ice bath | 0.01 | 0.01 | - | JL-P1.4 | RDL revD2 |
| Point 2 | Warm bath | 38.3 | 0.1 | - | JL-P3.2 | RDL revD2 |
| Point 3 | Boiling bath | 100.33 | 0.1 | 1026 | JL-P2.1 | RDL revD2 |

Table 2 Calibration results

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sensor | Point 1 | Point 2 | Point 3 | COEFFICIENT VALUES2 | | |
| ID | R1 (Ω) | R2 (Ω) | R3 (Ω) | A (10-3) | B (10-4) | C (10-7) |
| 0109 | 31685 | 5502 | 642 | 1.2610084065 | 2.1114631980 | 1.9023374978 |
| 0110 | 31515 | 5501 | 642 | 1.2675806791 | 2.0979557309 | 1.9822805307 |
| 0111 | 31603 | 5501 | 642 | 1.2638846806 | 2.1055130024 | 1.9382524717 |
| 0112 | 31724 | 5525 | 642 | 1.2718419861 | 2.0908957579 | 1.9934840352 |
| 0113 | 31515 | 5500 | 642 | 1.2670354615 | 2.0990013899 | 1.9774405298 |
| 0114 | 31180 | 5431 | 641 | 1.2461782151 | 2.1381439152 | 1.8265011582 |
| 0115 | 31461 | 5471 | 642 | 1.2534484825 | 2.1247717154 | 1.8637129521 |
| 0116 | 31347 | 5430 | 634 | 1.2592342994 | 2.1205448461 | 1.8599202135 |

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1 For more information about the calibration procedures, please visit jericholab.com/calibration

2 If you update the coefficient values inside the RDL controller code, make sure to use all coefficient decimals.

3 This calibration is not NIST traceable

4 Uncertainty value at a 95% confidence interval

5 Typical value when the sensor is used according to recommended conditions.

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