TEMPSENS CALIBRATION CENTRE



TEMPSENS

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Calibration Certificate No.: TL/022/1068.2.1

| oiscipline: " | Thermal | UL | R No.: CC2840 | 22000007063F | | | Page : 01 OF 01 | |
|--|--|--|--|---|-----------------------------------|---|---------------------------------------|--|
| 1/S NATIO | NAL CENTRE FOR QU | ALITY CALIB | RATION | J.O.NO. | | : T/222/2/2 : 25/09/202 | 1130 | |
| , ABHISHR | EE CORPORATE PAR | к, | · | Received Date Calibration Date | | : 26/09/202 | | |
| | T BUNGALOWS, BRTS | , | · · · · · · · · · · · · · · · · · · · | | | : 25/09/202 | | |
| ISKCON-AMBLI ROAD, AMBLI | | | 1 | Next Cali. Due On Issue Date | | : 27/09/202 | | |
| AHMEDABAD-380058, GUJARAT, INDIA | | | Issue Date | | | 1: 27/03/2022 | | |
| Item : Sensor Sr. No. & ID. No. : Sensor Make/Model : Indi. Sr. No. & ID. No. : Indi. Make & Model : Length & Dia : | | : -196, -80, 0, 100, 200 & 400°C : PT100X1, SIMPLEX, 4 WIRE RTD WITH INDICATOR : 23000299 & NCQC/T-235 : TEMPSENS : T0064 & NCQC/T-236 : TEMPSENS & TEMPMET 09-02 : 450MM & 4MM : 0.001°C | | | | | | |
| | | : INITIAL | | | | | | |
| Accuracy | | : CLASS A | | | | | | |
| Accuracy | | : -196 TO 400°C | | | | | | |
| Location | | : AT Lab | | | | | | |
| Condition of | of item | : GOOD | | | | | | |
| The UUC ha | Temperat | ture (in °C) age 137/E1137M-0 the following w | ainst RTD readin 14. Minimum Imr 10rking standard | viation. As per work i g (in Ohms) are calc nersion depth for RT s of sensor & measu | ulated b D is 100 ring inst | y using 0mm. rument. | | |
| | Standards | Trace | eable To | Certificate N | 0. 🤟 | | lid Up to | |
| SSPRT | | TEMPSENS, UDAIPUR | | TL/022/579.3.1 | | 26.05.2023 06.07.2023 | | |
| PRECISION THERMOMETER LN2 APP CALSYS -80/50 | | YMPL, UDAIPUR | | YMPL/335943/126362 | | NCQC | | |
| CALSYS 300 CALSYS 650 | | | | | | Valid up to 25/09 2023 | | |
| The Standa The results | rds used for calibration of calibration are as ur | is traceable to ider : | o National / Inter | national Standard. | | Reviewed | fig | |
| As Found Sr. Standard Sensor | | UUC | | | Correction | Expanded | | |
| Sr. No. | °C | 51 | | °C | | Factors °C | uncertainty (±°C) | |
| 1 | -195.368 | | | -195.705 | | 0.337 0.230 | 0.10 0.10 | |
| 2 | -79.651 | | | -79.881 0.011 | | 0.117 | 0.10 | |
| 3 | 0.128 | | | 99.604 | | 0.242 | 0.10 | |
| 4 | 99.846 | | | 199.294 | | 0.351 | 0.20 | |
| 5 | 199.645 399.532 | | | 399.036 | _ | 0.496 | 0.20 | |
| 6 As Left : M | Adjustment done. | As found dat | a is left as it is | | | | | |
| ** Correction Factors = Standard Readings Temperature Scale: ITS - 90 | | | Ambient Temp. : 25±2°C | | | Relative Humidity : 50±20%RH | | |
| | TRUE C | ΟΡΥ | Checked E | | | and the second | , , , , , , , , , , , , , , , , , , , | |
| Note: | | | A Strategy and a | C System Certi | | | of | |
| (2) The re | alibration results report prement for the particul port shall not be repro | ar sample. duced except i | n full, without w | | | | | |
| (3) Cover | age factor "k" =2 at ap Calibration Due Date m | prox 95.45% C | onfidence level. | | | | | |
| (4) Next | Calibration Due Date m | entioned as pe | r customer requ | SOR TECHNOLOGY | | | | |