



Issued by
Trescal Ltd
Millennium Park
Naas, Co. Kildare
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APPROVED SIGNATORY

Andy O'Neill (1065)
(Signed electronically)

Customer:

Sensor Tech Ltd, Unit 4 Dunleer Enterprise Park
Dunleer, Co. Louth, A92 HK85, Ireland, Republic of

Location of calibration:

Trescal Ltd, Millennium Park
Naas, Co. Kildare, W91 WF9K,

Equipment Details:

Description:	Digital Thermometer & Probe	Date of Receipt:	02/09/2025
Manufacturer:	Sensorcal	Order No:	2295
Type No:	Master Ref Thermometer	Our Reference:	173451042
Serial No:	0711500	Date of Calibration:	18/09/2025
Calibrated By:	David Dorman		

Calibration Summary

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. Assessment of conformance has been undertaken in accordance with the agreed decision rule detailed within this certificate.

Status on Receipt: Measured Values Only

No assessment of conformance has been undertaken.

Status on Despatch: Measured Values Only

No assessment of conformance has been undertaken.

Action(s) Taken: Full Calibration

Ambient Conditions: Temperature: 20 ±3 °C

Customer requested calibration due date: 18/09/2026

The results given within this certificate only relate to the item calibrated. The expanded uncertainties quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration. The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibration Comments:

Calibration Procedure: PROC50-IRE.

Calibration Method: The unit under test was calibrated against two reference temperature standards in a series of stable heat sources as defined by the calibration procedure.

Condition: The unit under test was received in working order.

Calibration Equipment Used

Asset No	Due Date	Asset No	Due Date
141-IRE	11/02/2027	162-IRE	06/06/2026
173-IRE	06/06/2026	192-IRE	24/01/2026
229-IRE	29/08/2027	230-IRE	29/08/2027
261-IRE	20/11/2025	292-IRE	06/06/2026
ID286-IRE	27/01/2027		

Customer Instrumentation Includes:

ID	Manufacturer	Model	Description	Serial Number
0711500P	Sensor Technology	PT1000	Probe	0711500P

Certificate of Calibration

UKAS Accredited Calibration Laboratory 0013

Certificate No. 4777600001

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Date 16 - 18 September 2025
Manufacturer SensorCal
Model Number Master Ref Thermometer
Display Serial Number 0711500
Probe Serial Number 0711500P
Probe Diameter 4 mm
Probe Length 170 mm
Immersion Depth 150 mm
Temperature Scale ITS 90

AS RECEIVED RESULTS

Applied Temperature °C	UUT Indicated* °C	Error °C	Uncertainties °C
0.003	0.01	0.01	0.019
-40.010	-40.05	-0.04	0.019
-24.033	-24.06	-0.03	0.019
-10.047	-10.04	0.01	0.019
0.003	0.00	0.00	0.019
10.017	10.03	0.01	0.019
20.041	20.05	0.01	0.019
30.030	30.04	0.01	0.019
37.021	37.03	0.01	0.019
40.020	40.04	0.02	0.019
50.009	50.01	0.00	0.019
60.008	59.99	-0.02	0.019
70.003	69.97	-0.03	0.019
80.020	79.97	-0.05	0.019
90.015	89.95	-0.07	0.019
100.003	99.91	-0.09	0.019
190.011	189.94	-0.07	0.019
0.002	0.02	0.02	0.019

***Note:**

Average of two readings

Note: The stated uncertainties include contributions for UUT resolution, stability and repeatability during the calibration (see 0°C test points above)

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Temperature CMC System Version 13 06-11-24