

Calibration Certificate

Certificate No. PC24193001G07-01

Customer

Herald Datametcs Limited
Unit 1028, 10/FI., One Island South
2 Heung Yip Road, Wong Chuk Hang
Hong Kong

Unit Information

Description: AccuSense Temperature Probe
ID/Serial Number: Specimen #1-1
Model/Type: THFA400752T050ON
Manufacturer: Herald Datametcs Limited

General Information

Calibration Date: 2024-03-19
† Calibration Due Date: see note
Procedure Number: JJG229-2010
Results: Pass
DUT Accuracy: ±0.50°C

Condition: New
Location: CTI Thermometry Lab I
Lab Conditions: Temp 22.5°C
Humidity 61% RH

† Per the requirements of ISO 17025, CTI cannot make recommendations for the recalibration date. The calibration interval shall be set based upon the end user's requirements. The Calibration Due Date will be calculated from the date the probe is first activated by the end user.

Calibration Standards

Description	Manufacturer	Model	ID#	Due Date	Traceability #
Reference Thermometers	FLUKE	1524	3491282	2024-11-10	C2310251900149
Platinum Resistance Thermometer	FLUKE	5609	08580	2025-5-17	2023E11-20-4543410002

Calibration Data

Calibration Point °C	Standard °C	*Display Average °C	**Indication Error °C	MPE °C	Expanded Uncertainty	Pass/ Fail
-80.00	-79.99	-80.19	-0.20	±0.50	U=0.16 °C, k=2	Pass
-40.00	-40.00	-39.92	+0.08	±0.50	U=0.16 °C, k=2	Pass
0.00	0.00	-0.31	-0.31	±0.50	U=0.16 °C, k=2	Pass

*Display Average is the averaged reading from 3 read attempts at each calibration temperature set point.

**According to Procedure JJG229, the Indication Error at each calibration set point will be calculated from the average value of 3 measurements.

Quality Assurance Statement

This instrument has been calibrated using standards which are traceable to the National Standards and SI unit standards. The results contained in this report relate only to the item(s) calibrated. The expanded uncertainty of measurement is according to JF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement. This Quality System is accredited in accordance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing & Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing & Calibration Laboratories). The certificate shall not be valid without the stamp of CTI, nor shall this certificate be copied partly or in whole without the written approval of CTI.

Issued by (Stamp)



Calibrated by: 黄志鹏
Inspected by: 李鹏辉
Approved by: 李鹏辉
Issue Date: 2024-03-20

End of Calibration Report