CalibrationSolutions
PROVIDING TOTAL CONFIDENCE IN MEASUREMENT ACCURACY

Calibration Certificate

Measurement results are traceable to the New Zealand or Australian national standards

Company:	Instrument / System ID: 82336	Cert No.36614
CCAT Scientific	Type: Digital Thermometer	Test Date: 8th Mar 2024
711 Werenui Road	Brand: RS PRO	Tested By: Rachelle Wilson
RD1	Model: 204-8409 c/w Probe	
Silverdale 0994	Use: Temperature Checks	Resolution: 0.1 °C

CALIBRATION READINGS

True Value (°C)	Instrument Reads (°C)	Correction (°C) (as found)	Adjustment	Instrument Reads (°C)	Correction (°C) (as left)	Uncertainty (°C)
-79.7	-79.6	-0.1	No			±0.2
-19.8	-20.2	+0.4	No			±0.1
5.0	4.9	+0.1	No			±0.1
20.0	19.7	+0.3	No			±0.1

Comments

Readings of the instrument being calibrated were compared to one or more of the laboratory's reference thermometers in liquid calibration baths using procedures that are documented in sections 5.01 and 5.09 of the Laboratory Procedures Manual.

The reference devices used were s/n 3414, 351773/1 and 35278/1.

The immersion depth of the probes during the calibration was 100 mm and the ambient temperature was 22 °C ± 2 °C.
The temperature scale used is ITS-90.

The instrument functioned in a manner that was typical for this type of instrument. There was no evidence of abnormal performance during the time that the instrument was inspected and calibrated. The calibration results relate to the instrument as tested.
This calibration was performed in the laboratory.

This certificate may only be reproduced in full.

The measurement uncertainties of the instrument/system tested at the above calibration points and using the corrections in the table are at the 95% confidence level with coverage factor k = 2.

Signatory

Tom Mulligan

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