

CERTIFICATE OF CALIBRATION

Date Of Issue
1st Mar 2024

Certificate Number
011667



0601



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Approved Signatory

Signature

Alan Romaine

Customer Name: Signatrol Ltd

Address: Unit E2, Green Lane Business Park
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GL20 8SJ

Order Number: 47112

Date Received: 06th Feb 2024

Date Calibrated: 29th Feb 2024

Procedure: The Instrument was stabilised in ambient conditions, then calibrated by comparison against traceable references in stirred liquid baths. The reported 'Instrument reading' is based on repeated measurements once stability criteria has been met in line with ETI procedure P5

Ambient Temperature: 23 ± 3 °C

Ambient Humidity: < 60 %rh

Temperature Scale: International Temperature Scale of 1990

Inst. Description: ETI Reference Thermometer
Integral $\varnothing 3.3$ x 130mm 1/10th DIN Pt100 Liquid Probe

Inst. Serial Number: D12360142

Peripheral Device: N/A

Peripheral Device N°: N/A

Calibrated Range/Scale: -50.0 °C to +134.0 °C

Resolution: 0.01 °C

Comments: Immersion depth 110mm

Results:	Test Temperature °C	Instrument Reading °C	Error °C	Uncertainty °C
	-49.995	-50.04	-0.045	0.040 + Resolution
	-18.000	-18.03	-0.030	0.040 + Resolution
	0.003	-0.02	-0.023	0.040 + Resolution
	3.999	3.98	-0.019	0.040 + Resolution
	24.999	24.99	-0.009	0.040 + Resolution
	100.002	100.01	0.008	0.040 + Resolution
	134.001	133.99	-0.011	0.040 + Resolution

End Of Report

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

The results indicate performance of instrument at time of measurement, with no warranty as to specification, repeatability of long term stability.

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.

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