

# CERTIFICATE OF CALIBRATION

Date Of Issue  
4th Aug 2022

Certificate Number  
001630



0601



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Approved Signatory

Signature

Sean Wells

Customer Name: Signatrol Ltd

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

Order Number: 46709

Date Received: 21st Jul 2022

Date Calibrated: 02nd Aug 2022 to 03rd Aug 2022

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:  $23 \pm 3$  °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: D13510524

Peripheral Device: N/A

Peripheral Device N°: N/A

Calibrated Range/Scale: -50.0 °C to +195.0 °C

Resolution: 0.01 °C

Comments: Immersion depth 110mm

Results:	Test Temperature °C	Instrument Reading °C	Error °C	Uncertainty °C
	-49.999	-49.99	0.009	0.045 + Resolution
	-17.999	-17.98	0.019	0.040 + Resolution
	4.004	4.04	0.036	0.040 + Resolution
	24.994	25.04	0.046	0.040 + Resolution
	121.001	121.05	0.049	0.040 + Resolution
	194.986	195.04	0.054	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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