

# CERTIFICATE OF CALIBRATION

Issued by  
Roxspur Measurement & Control Limited



0043

Page 1 of 2

Authorised Signatory

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**Date of Issue:** 07 June 2021

**Certificate Number** 197559 I2

**Customer:** SIGNATROL LIMITED  
UNIT E2  
GREEN LANE BUSINESS PARK  
GLOUCESTERSHIRE  
  
GL20 8SJ

Date Received 21 May 2021  
RM&C Order Ref. L511744  
Customer Order No. 46324  
Calibration Date 02 June 2021  
Next Calibration Due 02 June 2022

## Equipment Information

Description	LEYRO LDT-2000 PRECISION THERMOMETER & PT100 PROBE	Serial Number	1031401205 & 351839-1
Manufacturer	LEYRO	Customer Inventory No.	CE1113 & CE1115
Model Number	LDT-2000 & 935-14-116	RM&C I.D. No.	RMC0044158
Calibrated Range	-70 °C to 300 °C		
Scale / Resolution	0.001 °C		
Calibration Points	-70 °C, 0 °C, 30 °C, 150 °C & 300 °C		

## Conditions

Lab Temperature	21.0 °C ± 2 °C	Department	TEMP - BATH
Probe Type	Pt100	Engineer	JON WATSON
Probe Length	350 mm	Last Certificate Number	197559
Probe Diameter	6 mm		
Min. Immersion Depth	200 mm		

## Procedure : RM&C 023 DTI & RTD

RM&C 023: Digital Thermometer & RTD Probe – Issue 6 (Feb-2021)

The thermometer under test was allowed to equilibrate within a controlled, stable environment, the temperature of which was measured using traceable reference Platinum Resistance Thermometers. The following results indicate the measured test thermometer temperature against the measured temperature at the time of calibration. The measurement uncertainty was calculated in accordance with M3003 (Edition 4 – October 2019) and as such takes into account such factors as the calibration & drift of the reference standards, stability, repeatability and resolution of reference instruments and that of the unit under test.

The results are valid at the time of calibration only. The temperature scale used was ITS-90 Calibration has been carried out using Laboratory procedures (LAB-PROC-023) in accordance with BS EN ISO 17025:2017. The results are valid at the time of

## Notes :

No measured errors, in the parameters checked, exceeded the customer specified tolerance of  $\pm 0.04$  °C.

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Page 2 of 2

## Calibration Results

Serial Nos: 1031401205 & 351839-1

Reference Temperature °C	Thermometer Reading °C	Measured Error °C	Measurement Uncertainty ± °C
0.000	0.003	0.003	0.06
-69.969	-69.983	-0.014	0.06
-0.001	-0.005	-0.004	0.06
30.041	30.056	0.015	0.06
150.083	150.064	-0.019	0.06
299.958	299.964	0.006	0.06
0.001	0.004	0.003	0.06

- The certificate of calibration only applies to the instrument(s) listed on page one of the certificate -  
- End of Certificate -