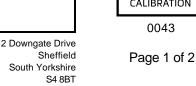
## CERTIFICATE OF CALIBRATION

Issued by **Roxspur Measurement & Control Limited** 

**Electronics** 



Authorised Signatory



JON WATSON

t: 0114 224 9205

f: 0114 224 9224 e:Sales@TTElectronics.com

i: www.TTElectronics.com

Date of Issue: 07 June 2021

Customer: SIGNATROL LIMITED

UNIT E2

**GREEN LANE BUSINESS PARK** 

**GLOUCESTERSHIRE** 

**GL20 8SJ** 

Certificate Number 197559 I2

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

Manufacturer **LEYRO** Serial Number 1031401205 & 351839-1 Model Number LDT-2000 & 935-14-116 Customer Inventory No. CE1113 & CE1115 Calibrated Range -70 °C to 300 °C RM&C I.D. No. RMC0044158

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 ±0.04 °C.

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**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

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