## CALIBRATION

Date Of Issue 19th December 2019

Certificate Number 191219/TS1



Certificate Issued By:



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Page 1 of 2 pages	
Approved Signatory	Signature
S. Wells	Waller

Customer Name: SIGNATROL LIMITED

Address: UNIT E2

**GREEN LANE BUSINESS PARK** 

**TEWKESBURY** 

**GLOUCESTERSHIRE** 

**GL20 8SJ** 

Order Number: 45920

Ref Number: 771/76906

Date Received: 2nd December 2019

Date Calibrated: 19th December 2019

Ambient Temperature: 22 °C ± 2 °C

Ambient Humidity: <60 % rh

Temperature Scale: International Temperature Scale of 1990

Instrument Type: EUROTRON MICROCAL 1+ T/C SIMULATOR

Instrument Serial Number: 0049272

Procedure: The instrument was stabilised at ambient temperature, then calibrated by measuring its

output on traceable reference equipment.

The reported expanded 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.

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

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## CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No 0601

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Page 2 of 2

Instrument Serial No 0049272

## Results

Type "J"Output Temperature °C - 100.0 700.0	Nominal mV - 4.632 5 39.131 8	Measured mV - 4.630 9 39.137 0	Equivalent L Temperature °C c -99.95 700.07	Uncertainty of Measurement ± 0.48 °C ± 0.20 °C
Type "K"Output Temperature °C - 100.0 900.0	Nominal mV - 3.553 6 37.325 9	Measured mV - 3.556 5 37.324 3	Equivalent Temperature °C -100.09 899.97	± 0.69 °C ± 0.31 °C
Type "T"Output Temperature °C - 100.0 300.0	Nominal mV - 3.378 6 14.861 9	Measured mV - 3.381 6 14.851 3	Equivalent Temperature °C -100.10 299.82	± 0.67 °C ± 0.29 °C
Type "S"Output Temperature °C 800.0 1400.0	Nominal mV 7.345 0 14.372 6	Measured mV 7.344 8 14.367 6	Equivalent Temperature °C 799.98 1399.59	± 1.6 °C ± 1.6 °C
Type "R"Output Temperature °C 800.0 1400.0	Nominal mV 7.949 8 16.040 1	Measured mV 7.948 8 16.034 7	Equivalent Temperature °C 799.91 1399.62	± 1.6 °C ± 1.6 °C
Type "E"Output Temperature °C - 100.0 650.0	Nominal mV - 5.237 2 49.115 7	Measured mV - 5.245 2 49.096 9	Equivalent Temperature °C -100.17 649.77	± 0.69 °C ± 0.31 °C
PT100 Output Temperature °C 0.0 600.0	Nominal Ohms 100.000 313.708	Measured Ohms 100.013 313.611	Equivalent Temperature °C 0.03 599.69	± 0.05 °C ± 0.18 °C

End of Report