CERTIFICATE OF CALIBRATION

Date Of Issue: 16th November 2017

Certificate Number: 161117/S1

UKAS CALIBRATION 0601

Certificate Issued By:

Electronic Temperature Instruments Ltd
Easting Close, Worthing
West Sussex BN14 8HQ, UK
tel: 01903 202151
email: sales@etiltd.co.uk
www.etiltd.com

Approved Signatory	Signature
J.S. Carswell	J S Carswell

Customer Name: SIGNATROL LIMITED

Address: UNIT E2
GREEN LANE BUSINESS PARK
TEWKESBURY
GLOUCESTERSHIRE
GL20 8SJ

Order Number: 45464

Ref Number: 617/61569

Date Received: 13th November 2017

Date Calibrated: 15/16th November 2017

Ambient Temperature: 22 °C ± 2 °C

Ambient Humidity: <60 % rh

Temperature Scale: International Temperature Scale of 1990

Instrument Type : EUROTRON MICROCAL 1 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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UKAS Accredited Calibration Laboratory No 0601

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Results

Type "J"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	Uncertainty of Measurement
- 100.0	- 4.633	- 4.627 2	- 99.9	± 0.25 °C
700.0	39.132	39.136 2	700.1	± 0.19 °C

Type "K"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	
- 100.0	- 3.554	- 3.551 8	- 99.9	± 0.25 °C
900.0	37.326	37.332 8	900.2	± 0.19 °C

Type "T"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	
- 100.0	- 3.379	- 3.376 5	- 99.9	± 0.25 °C
300.0	14.862	14.860 9	300.0	± 0.19 °C

Type "S"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	
800.0	7.345	7.343 3	799.9	± 1 °C
1400.0	14.373	14.365 4	1399.4	± 1 °C

Type "R"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	
800.0	7.950	7.946 8	799.8	± 1 °C
1400.0	16.040	16.032 6	1399.5	± 1 °C

Type "E"Output Temperature °C	Nominal mV	Measured mV	Equivalent Temperature °C	
- 100.0	- 5.237	- 5.234 4	- 99.9	± 0.25 °C
650.0	49.116	49.124 5	650.1	± 0.19 °C

PT100 Output Temperature °C	Nominal Ohms	Measured Ohms	Equivalent Temperature °C	
0.0	0.00	100.040 9	0.11	± 0.025 °C
600.0	313.71	313.643	599.79	± 0.18 °C

End of Report