

CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number EXAMPLE

Date of Issue 09 December 2008



Approved Signatory



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**EXAMPLE
CERTIFICATE**

EXAMPLE EXAMPLE

Customer :

Date Received :

Instrument : System ID : EXAMPLE
Description : Thermocouple Simulation Adapter
Manufacturer : Transmille
Model Number : EA001
Serial Number : EXAMPLE
Procedure Version : 4.1/N

Environmental Conditions

Temperature : 20°C +/- 1°C
Relative Humidity : 50% +/- 20%

Mains Voltage : 240V +/- 12V
Mains Frequency : 50Hz +/- 1Hz

Comments

Instrument was allowed to stabilise for at least 12 hours before calibration.
Reference temperature of 0°C used for the thermocouple CJC.
Temperature Scale ITS90

Calibration Information

The instrument was calibrated against laboratory standards whose values are traceable to recognised National Standards. The uncertainty limits quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration.

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.

Calibrated By : EXAMPLE

Date of Calibration : EXAMPLE

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CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0324
AFTER ADJUSTMENT RESULTS

Certificate Number
EXAMPLE

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Test Title	Applied Value	Reading	Uncertainties
CJC Temp Correction	---	Pass	
Temperature Output			
-140°C Type K	-4.6690mV	-4.6687mV	1.4uV
-50°C Type K	-1.8890mV	-1.8887mV	1.4uV
0°C Type K	0.000 0mV	0.000 3mV	1.4uV
100°C Type K	4.096 0mV	4.096 7mV	1.4uV
200°C Type K	8.138 0mV	8.138 7mV	1.4uV
500°C Type K	20.644 0mV	20.644 8mV	1.5uV
700°C Type K	29.129 0mV	29.130 1mV	1.5uV
1000°C Type K	41.276 0mV	41.277 0mV	1.6uV
1340°C Type K	53.795 0mV	53.795 9mV	1.6uV
400°C Type J	21.848 0mV	21.849 0mV	1.5uV
750°C Type J	42.281 0mV	42.282 2mV	1.6uV
-250°C Type T	-6.1800mV	-6.1797mV	1.4uV
0°C Type T	0.000 0mV	0.000 4mV	1.4uV
400°C Type T	20.872 0mV	20.873 0mV	1.5uV
1700°C Type R	20.222 0mV	20.223 1mV	1.5uV
-50°C Type S	-0.2360mV	-0.2354mV	1.4uV
1700°C Type S	17.947 0mV	17.947 9mV	1.5uV
-270°C Type N	-4.3450mV	-4.3448mV	1.4uV
1300°C Type N	47.513 0mV	47.514 3mV	1.6uV
1820°C Type B	13.820 0mV	13.821 0mV	1.4uV
0°C Type E	0.000 0mV	0.000 5mV	1.4uV
400°C Type E	28.946 0mV	28.947 4mV	1.5uV
800°C Type E	61.017mV	61.018mV	2uV

Thermocouple Reference Tables

EN60584-1 : 1996

Equivalent to EN60584-1 : 1995 & IEC60584-1 : 1995

Replacing document BS4937 Parts 1-8

End of results