

CERTIFICATE OF CALIBRATION

ISSUED BY **CCPI EUROPE LABORATORY**

Date of Issue 27th January 2021 Certificate Number 25789



0600



Temperature Technology Centre
Vector 31 Business Park, Waleswood Way, Wales
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Approved Signatory

P. Williams

Head of Laboratory

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Stamp: CERAP, Les Forges, LES BORDS, 194414, 78 3218, 19 94 58, 010 - APE 2712.

Customer SN Cerap
22 Rue Des Forges
36100 Les Bordes
France

Calibration Date 27th January 2021

Order ref: H2000877

Our ref: 194414 (23466)

Equipment Tested 1 Simplex Platinum Resistance Thermometer.

Description 100Ω at 0°C Platinum Resistance Thermometer, 4 wire construction.
500mm long below pot seal × 6mm dia with 1.5m long extension cable.
Serial number 194414/1.

Measurements The above Platinum Resistance Thermometer was submitted for a temperature calibration at -80 °C, -30 °C, 0 °C, 40 °C, 100 °C & 235 °C.

Procedure The temperature scale used was I.T.S.90.
The measuring test current used during tests was 1mA
The test resistance thermometer was allowed to equilibrate within a controlled stable thermal environment, the temperature of which was measured using traceable reference Platinum Resistance thermometers.
The following table shows the measured test thermometer resistance, the calculated temperature in °C using IEC 60751:2008 values and the correction value at the test temperatures in °C

Uncertainty of measurement = ±0.045 °C at -80 °C to 235 °C

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.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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UKAS Accredited Calibration Laboratory No. 0600

Certificate

Number

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Results

PRT Serial Number	Measured Reference Temperature °C	Test PRT Measured Resistance Ω	Test PRT Calculated Temperature with reference to IEC 60751:2008 °C	Correction for PRT with reference to IEC 60751:2008 °C
194414/1	-79.970	68.330	-79.990	0.019
	-29.922	88.246	-29.939	0.017
	0.002	99.998	-0.006	0.008
	40.046	115.560	40.049	-0.003
	99.998	138.496	99.975	0.024
	234.946	188.632	234.936	0.011

Standard Equipment:

Traceable Platinum Resistance Thermometers serial numbers 0426/0430/4614, UKAS certificate by UKAS laboratory number 0600, certificate number 25728/25729/25287, calibration due July 2021/July 2021/February 2021.

Notes

The ambient temperature was 20 °C (± 2 °C), the relative humidity was 31 %rh ± 10 %rh.

Immersion depth during calibrations was 200mm.

The technician that performed the calibration was D. Holmes.

The results shown are for the initial calibration of the unit under test.

- END -

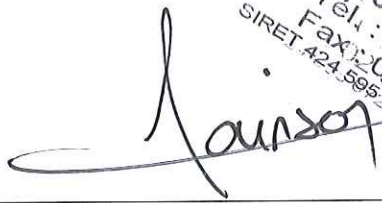
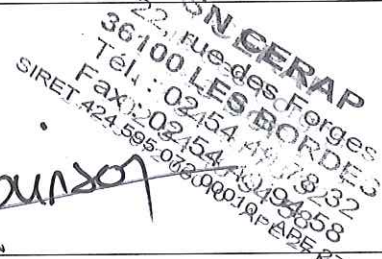



CCPI Europe Limited

Temperature Technology Centre

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Customer Order Number : H2000877	W/Order Number : 194414
	A/c Code: 200068
	Date: 27/01/2021

Customer Address: SN Cerap 22 Rue Des Forges 36100 Les Bordes France	Delivery Address:  
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Quantity	Unit	Description	Certificate of Conformity
1	each	<p>PT100 4 wire mineral insulated RTD, 6mm diameter stainless steel sheath 500mm long with 1500mm flexible tails.</p> <p>UKAS Certificate Reference: 25789 Serial No's: 194414/1</p> <p>ID Length: 500mm Drawing Reference: SNCFR009</p> <p>The above RTD`s have been tested and manufactured to meet the requirements of: IEC751, DIN43760, JIS1604:2013 and BS EN 60751:2008, AMS 2750 revision F (calibrated at -80, -30, 0, 40, 100 and 235°C). All calibrations conducted in association with this order meet the full requirements of: ASTM E220-19.</p>	<p>Manufactured under an ISO 9001 registered quality management system.</p> <p>Certified that the supplies /services detailed hereon have been inspected and tested in accordance with the conditions and requirements of the contract or purchase Order and unless otherwise noted below, conform in all respects to the specification(s), drawing (s) and are relevant thereto.</p> <p>For and on behalf of CCPI Europe Ltd.</p> <p> Martin Owens Quality approved signatory</p>