


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>0564</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<p><b>TC Ltd</b></p> <p><b>Issue No: 024    Issue date: 25 November 2016</b></p>	
	<p><b>Brimington Road North</b> <b>Whittington Moor</b> <b>Chesterfield</b> <b>Derbyshire</b> <b>S41 9BE</b></p>	<p><b>Contact: Mr L R Walker</b> <b>Tel: +44 (0)1246 454672</b> <b>Fax: +44 (0)1895 273540</b> <b>E-Mail: laboratory@tc.co.uk</b> <b>Website: www.tc.co.uk</b></p>
<p><b>Calibration performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks
TEMPERATURE			
Resistance thermometers	Liquid nitrogen (-196 °C) Triple point of water (0.01 °C) -100 °C to -30 °C - 30 °C to + 20 °C 20 °C to 90 °C 90 °C to 200 °C 200 °C to 400 °C 400 °C to 620 °C	0.20 °C 0.050 °C 0.40 °C 0.20 °C 0.20 °C 0.20 °C 0.40 °C 0.40 °C	2 wire, 3 wire and 4 wire resistance thermometers
Thermocouples - noble metal	20 °C to 200 °C 200 °C to 400 °C 400 °C to 620 °C 620 °C to 1100 °C 1100 °C to 1330 °C 1330 °C to 1590 °C	0.90 °C 0.90 °C 0.90 °C 1.70 °C 1.70 °C 2.6 °C	Extension and Compensating Cables
Thermocouples – base metal	Liquid nitrogen (-196 °C) -100 °C to -30 °C - 30 °C to + 200 °C 200 °C to 400 °C 400 °C to 620 °C 620 °C to 1100 °C 1100 °C to 1330 °C	0.30 °C 0.40 °C 0.30 °C 0.50 °C 0.60 °C 1.80 °C 1.80 °C	
Temperature indicators and transmitters with probes	Ranges as for sensor type	As for sensor type	Including instruments with electrical outputs
Electrical calibration of temperature simulators for the following sensors			
Resistance sensors (PT 100)	-200 °C to +800 °C	0.05 °C	2 wire, 3 wire and 4 wire resistance sensors
Noble metal thermocouples	-20 °C to +1750 °C	0.80 °C	Including cold junction compensation
Base metal thermocouples	-200 °C to +1372 °C	0.40 °C	Including cold junction compensation



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k = 2$ )	Remarks
Electrical calibration of temperature indicators, controllers and recorders for the following sensors			
Resistance sensors (PT 100)	-200 °C to +800 °C	0.05 °C	2 wire, 3 wire and 4 wire resistance sensors
Noble metal thermocouples	-20 °C to +1750 °C	0.80 °C	Including cold junction compensation
Base metal thermocouples	-200 °C to +1372 °C	0.40 °C	Including cold junction compensation
END			