


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8809 Accredited to ISO/IEC 17025:2005	ABB Ltd Issue No: 004 Issue date: 22 August 2016	
	Oldends Lane Stonehouse Gloucester GL10 3TA	Contact: Dr Jonathan Farrington Tel: 01453 853449 Fax: 01453 821382 E-Mail: instrument.support@gb.abb.com Website: www.abb.com/measurement
Calibration performed by the Organisations at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Oldends Lane Stonehouse Gloucester GL10 3TA	Local contact Dr Jonathan Farrington Tel: 01453 853449 Fax: 01453 821382 E-Mail: instrument.support@gb.abb.com	Electrical Pressure Temperature	Lab

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customers' Premises The customers' site or premises must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between the laboratory and the customer.	Temperature	Site



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ABB Ltd**Issue No: 004 Issue date: 22 August 2016****Calibration performed by the Organisation at the locations specified****DETAIL OF ACCREDITATION**

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
ELECTRICAL				Lab
DC Voltage				
Measurement	0 mV to 100 mV 100 mV to 50 V	0.027 mV 4.2 mV		
Generation	0 mV to 100 mV 100 mV to 12 V	0.013 mV 1.4 mV		
DC Current				
Measurement	0 mA to 100 mA	0.013 mA		
Generation	0 mA to 25 mA	0.0058 mA		
DC Resistance				
Measurement	1 Ω to 400 Ω 400 Ω to 4 k Ω	0.035 Ω 0.55 Ω		
Generation	1 Ω to 400 Ω 400 Ω to 4 k Ω	0.037 Ω 0.35 Ω		
Electrical calibration of temperature indicators, controllers and recorders for the following sensors:				
Noble metal thermocouples Type R & S	0 °C to 1768 °C	1.0 °C	with cold junction compensation	
Base metal thermocouples Type K, T and J	-200 °C to 0 °C 0 °C to 1370 °C	0.56 °C 0.23 °C	with cold junction compensation	
Pt100	-200 °C to 850 °C	0.092 °C		
PRESSURE				Lab
Gas Pressure (gauge)				
Calibration of pressure indicating instruments and gauges	-85 kPa to 0 kPa 0 kPa to 400 kPa 400 kPa to 1.2 MPa 1.2 MPa to 2 MPa	0.18 kPa 0.19 kPa 0.29 kPa 0.33 kPa	Calibration of instruments with an electrical output can be undertaken	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
TEMPERATURE				Lab
Resistance thermometers	Ice point (0 °C) -35 °C to 0 °C 0 °C to 140 °C 140 °C to 250 °C 250 °C to 450 °C 450 °C to 650 °C	0.040 °C 0.070 °C 0.080 °C 0.24 °C 0.46 °C 0.53 °C		
Thermocouples	Ice point (0 °C) -35 °C to 140 °C 140 °C to 250 °C 250 °C to 450 °C 450 °C to 650 °C 650 °C to 1100 °C 1100 °C to 1200 °C	0.40 °C 0.40 °C 0.50 °C 0.70 °C 0.8 °C 2.0 °C to 2.6 °C 3.1 °C		
Temperature indicators and recorders with sensors	Ice point (0 °C) -35 °C to 0 °C 0 °C to 140 °C 140 °C to 250 °C 250 °C to 450 °C 450 °C to 650 °C 650 °C to 1100 °C 1100 °C to 1200 °C	0.040 °C 0.070 °C 0.080 °C 0.24 °C 0.46 °C 0.53 °C 2.0 °C to 2.6 °C 3.0 °C		
Wireless temperature loggers	Ice point (0 °C) -35 °C to 40 °C	0.085 °C 0.12 °C		
Temperature controlled fridges, freezers, incubators, rooms and similar enclosures	-80 °C to -30 °C -30 °C to +40 °C -30 °C to +40 °C	0.40 °C 0.30 °C 0.45 °C	Using PRT sensors Using wireless temperature loggers	Site

END