


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0807 Accredited to ISO/IEC 17025:2005	BSRIA Limited	
	Issue No: 021 Issue date: 12 December 2018	
	Old Bracknell Lane West Bracknell Berkshire RG12 7AH	Contact: Mr M Trotter Tel: +44 (0)1344 459314 Fax: +44 (0)1344 465556 E-Mail: martin.trotter@bsria.co.uk Website: www.bsria.co.uk/instrument
Calibration performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address: Old Bracknell Lane West Bracknell Berkshire RG12 7AH Local contact: Mr M Trotter	Air velocity Electrical Humidity Pressure Temperature Volume flow	Bracknell
Address: 68 Walton Summit Road, Walton Summit Centre, Bamber Bridge, Preston, Lancashire PR5 8AQ Local contact: Mr A Collier	Pressure Temperature Volume flow	Preston



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

BSRIA Limited

Issue No: 021 Issue date: 12 December 2018

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
TEMPERATURE				
Resistance thermometers	-80 °C to -38 °C -38 °C to -20 °C -20 °C to +80 °C 80 °C to 250 °C	0.050 °C 0.030 °C 0.016 °C 0.020 °C		Bracknell
Digital thermometers with Thermocouple sensors	-80 °C to +250 °C	0.15 °C		Bracknell
Digital thermometers with PRT sensors	-80 °C to -20 °C -38 °C to -20 °C -20 °C to +80 °C 80 °C to 250 °C	0.050 °C 0.030 °C 0.016 °C 0.020 °C		Bracknell
Air Temperature data loggers	-20 to 0 °C 0 °C to 70 °C	0.20 °C 0.060 °C	Calibrations may be undertaken on devices with an electrical output and on data recorders suitable for calibration in a chamber.	Bracknell
Digital thermometers with Thermocouple sensors	-20 °C to +80 °C	0.15 °C		Preston
Digital thermometers with PRT sensors	-20 °C to +80 °C	0.040 °C		Preston
PRESSURE				
<u>Gas pressure (absolute)</u>				
Calibration of pressure indicating instruments and gauges	80 kPa to 115 kPa	25 Pa		Bracknell
	70 kPa to 115 kPa	25 Pa		Preston
<u>Gas pressure (gauge)</u>				
Calibration of pressure indicating instruments and gauges	-7.5 kPa to -3 kPa -3 kPa to 3.5 kPa 3.5 kPa to 100 kPa	0.045 % + 0.50 Pa 0.045 % + 0.10 Pa 0.025 %	Calibration of pressure devices with an electrical output may be undertaken.	Bracknell
	-7.5 kPa to 3 kPa -3 kPa to 3 kPa 3 kPa to 7.5 kPa	0.045 % + 0.50 Pa 0.045 % + 0.10 Pa 0.045 % + 0.50 Pa		Preston



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

BSRIA Limited

Issue No: 021 Issue date: 12 December 2018

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
AIR VELOCITY				
Calibration of Anemometers and Pitot Tubes against a laser Doppler anemometer	0.15 m/s to 0.3 m/s 0.3 m/s to 2 m/s 2 m/s to 5 m/s 5 m/s to 15 m/s 15 m/s to 30 m/s	0.62 % + 0.030 m/s 0.54 % + 0.025 m/s 0.54 % + 0.045 m/s 0.54 % + 0.075 m/s 0.62 % + 0.12 m/s		Bracknell
Calibration of Anemometers and Pitot Tubes against differential pressure systems	0.15 m/s to 0.3 m/s 0.3 m/s to 2 m/s 2 m/s to 5 m/s 5 m/s to 15 m/s 15 m/s to 30 m/s	0.71 % + 0.030 m/s 0.72 % + 0.060 m/s 0.80 % + 0.080 m/s 0.81 % + 0.20 m/s 0.90 % + 0.40 m/s	Calibration of anemometers up to 120 mm diameter can be undertaken	
VOLUME FLOW - AIR				
Calibration of fans including blower doors and domestic air tightness fans	7.6 l/s to 4000 l/s at fan pressures of 15 Pa to 1000Pa	0.25 l/s + 1.9 % of flow and 1.0 Pa + 0.90 % of pressure	Calibrated in pressurising mode over the static pressure range of 0 to 60 Pa	Bracknell and Preston
	7.6 l/s to 4000 l/s at fan pressures of 15 Pa to 1000Pa	0.50 l/s + 1.9 % of flow and 1.0 Pa + 0.90 % of pressure	Calibrated in pressurising mode over the static pressure range of 60 Pa to 125 Pa	
Calibration of Balometers (capture flow hoods) Supply and extract	20 l/s to 60 l/s 60 l/s to 110 l/s 110 l/s to 280 l/s 280 l/s to 450 l/s 450 l/s to 900 l/s (780 l/s for extract)	2.7 % + 3.2 l/s 2.6 % + 3.6 l/s 1.9 % + 4.0 l/s 2.4 % + 7.0 l/s 2.4 % + 8.8 l/s	Calibration of Balometers with Back pressure disabled only	Bracknell
Calibration of low volume flow hoods and cones Supply and extract	3.5 l/s to 95 l/s	4.3 % + 0.080 l/s		Bracknell



Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

BSRIA Limited

Issue No: 021 Issue date: 12 December 2018

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
HUMIDITY Relative humidity	<p><i>For the range 0 °C to 20 °C</i> 10 %rh to 30 %rh 30 %rh to 95 %rh</p> <p><i>For the range 20 °C to 30 °C</i> 2 %rh to 30 %rh 30 %rh to 98 %rh</p> <p><i>For the range 30 °C to 50 °C</i> 10 %rh to 30 %rh 30 %rh to 95 %rh</p> <p><i>For the range 50 °C to 70 °C</i> 10 %rh to 30 %rh 30 %rh to 95 %rh</p>	<p>0.53 %rh 0.92 % of reading + 0.25 %rh</p> <p>0.35 %rh 0.90 % of reading + 0.080 %rh</p> <p>0.29 %rh 0.83 % of reading + 0.040 %rh</p> <p>0.25 %rh 0.71 % of reading + 0.040 %rh</p>	<p>Calibrations may be undertaken on devices with an electrical output and on data recorders suitable for calibration in a chamber.</p>	Bracknell
Frost point	-26 °C to -5 °C	0.14 °C		
Dew point	-8 °C to +69 °C	0.19 °C		
ELECTRICAL Tachometer Calibration				Bracknell
Mechanical contact	6 RPM to 6,000 RPM	425 ppm		
Optical	6 RPM to 600,000 RPM	100 ppm		
Stroboscope calibration	6 RPM to 600,000 RPM	100 ppm		
END				