


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>20064</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<p><b>TSI Instruments Ltd</b></p> <p>Issue No: 002 Issue date: 03 July 2020</p>	
	<p><b>Stirling Road</b> <b>Cressex Business Park</b> <b>High Wycombe</b> <b>Buckinghamshire</b> <b>HP12 3ST</b></p>	<p><b>Contact: Miles Wallis</b> <b>Tel: +44 (0)1494 459200</b> <b>E-Mail: miles.wallis@tsi.com</b> <b>Website: www.tsi.com</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
<b>AIR VELOCITY</b>			
Thermal anemometers	0.2 m/s to 1.25 m/s 1.26 m/s to 7.5 m/s 7.6 to 50 m/s	0.47 % + 0.016 m/s 1.2 % + 0.036 m/s 1.2 % + 0.088 m/s	1) Capability restricted to specified TSI group manufactured instruments only. 2) Calibrations are performed against a characterised wind tunnel
Vane anemometers	0.5 m/s 0.75 m/s 1 m/s 2.5 m/s 5 m/s 7.5 m/s 15 m/s 30 m/s	0.51% + 0.032 m/s 0.51% + 0.036 m/s 0.51% + 0.043 m/s 0.51% + 0.074 m/s 0.51% + 0.096 m/s 0.51% + 0.14 m/s 0.51% + 0.21 m/s 0.51% + 0.41 m/s	
<b>PRESSURE</b>			
Gas Pressure (Gauge)			Capability restricted to specified TSI group manufactured instruments only.  Methods consistent with EURAMET CG3.
Calibration of pressure indicating instruments	-1 kPa to 4 kPa 4 kPa to 13.33 kPa	0.38 % + 3.7 Pa 1.1 % + 31 Pa	
Gas Pressure (Absolute)	13.79 kPa to 137.9 kPa	1.1 % + 22 Pa	
<b>GAS ANALYSIS</b>			
Gas analysers	ppm (mol/mol)	ppm (mol/mol)	Comparison with reference gases.
Carbon Monoxide	0 ppm to 200 ppm	1.6 ppm at 0 ppm 1.6 ppm at 35 ppm 2.0 ppm at 100 ppm 2.6 ppm at 200 ppm	
Carbon Dioxide	0 ppm to 5000 ppm	2.8 ppm at 0 ppm 9.0 ppm at 500 ppm 7.6 ppm at 1000 ppm 27.0 ppm at 3000 ppm 29.5 ppm at 5000 ppm	



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<b>TEMPERATURE CALIBRATION</b> Temperature indicators and recorders with temperature sensor(s)	0 °C and 60 °C	0.16 °C	Calibration by comparison with a reference thermometer
<b>RELATIVE HUMIDITY</b> Relative humidity instruments	10 %rh to 90 %rh	2.4 %rh	Calibrations performed in an air chamber by comparison with a reference hygrometer.  All calibrations performed at 25 °C
END			