


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0601</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Electronic Temperature Instruments Limited</h3> <p>Issue No: 024 Issue date: 03 October 2018</p>	
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<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
TEMPERATURE			
Platinum Resistance Thermometers	-100 °C to -50 °C	0.13 °C 0.31 °C 0.37 °C	For probe length of greater than 120 mm, shorter probes will have an increased uncertainty 4 Wire Configuration 3 Wire Configuration 2 Wire Configuration
	-50 °C to +200 °C	0.020 °C 0.040 °C 0.18 °C	4 Wire Configuration 3 Wire Configuration 2 Wire Configuration
Thermistor	-100 °C to -50 °C -50 °C to +150 °C	0.13 °C 0.020 °C	At fixed temperatures
Resistance Sensors with Indicators	-100 °C to -50 °C -50 °C to +200 °C	0.13 °C 0.020 °C	
Thermocouple Sensors with Indicators	-100 °C to -50 °C -50 °C to +120 °C 120 °C to 200 °C	0.17 °C 0.15 °C 0.20 °C	
Temperature data loggers	-50 °C to +200 °C	0.020 °C	
ELECTRICAL			
DC Resistance			
Measurement	0 Ω to 200 Ω 200 Ω to 2 kΩ 2 kΩ to 20 kΩ 20 kΩ to 200 kΩ 200 kΩ to 1.6 MΩ 1.6 MΩ to 16 MΩ	0.0090 Ω 0.060 Ω 0.60 Ω 8.0 Ω 110 Ω 7.5 kΩ	Including test caps and resistance simulators, used to calibrate resistance thermometers (thermistor and Pt100)
Sourcing	0 Ω to 200 Ω 200 Ω to 2 kΩ 2 kΩ to 20 kΩ 20 kΩ to 200 kΩ	0.0090 Ω 0.060 Ω 0.60 Ω 8.0 Ω	
DC Voltage			
Measurement	0 mV to 200 mV	0.0060 mV	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
ELECTRICAL (cont'd)			
Temperature indicators and simulators, calibration by electrical simulation			
Base metal thermocouple	-200 °C to -50 °C -50 °C to +1372 °C	0.25 °C 0.15 °C	Including cold junction compensation
Noble metal thermocouple	500 °C to 1700 °C	1.0 °C	Including cold junction compensation
Resistance thermometer (Pt100)	-200 °C to +250 °C 250 °C to 850 °C	0.025 °C 0.18 °C	
Resistance thermometer (Pt1000)	-200 °C to +250 °C 250 °C to 850 °C	0.015 °C 0.18 °C	
HUMIDITY			
Dew point	-20 °C to +60 °C	0.18 °C	
Relative Humidity	0 °C to 65 °C 10 %rh to 90 %rh	1.2 %rh	Relative humidity limits 17 %rh to 90 %rh at 0 °C 10 %rh to 90 %rh above 7 °C
	20 °C to 24 °C		
	10 %rh to 50 %rh 50 %rh to 90 %rh	0.6 %rh 1.0 %rh	
Temperature in Air	0 °C to 65 °C	0.15 °C	
END			