Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

0601

Accredited to ISO/IEC 17025:2005

Electronic Temperature Instruments Limited

Issue No: 017 **Issue date:** 01 June 2011

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Calibration performed at the above address only

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	- 50 °C to + 200 °C	0.040 °C 0.050 °C 0.20 °C	4 Wire Configuration 3 Wire Configuration 2 Wire Configuration
Thermistor	- 50 °C to + 150 °C	0.040 °C	At fixed temperatures
Resistance Sensors with Indicators	- 50 °C to + 200 °C	0.040 °C	
Thermocouple Sensors with Indicators	- 50 °C to + 120 °C 120 °C to 200 °C	0.15 °C 0.20 °C	
Temperature data loggers	- 50 °C to + 100 °C	0.040 °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 1.1 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 V 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
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 (Pt 100)	- 200 °C to + 250 °C 250 °C to 850 °C	0.025 °C 0.18 °C	
Resistance thermometer (Pt 1000)	- 200 °C to + 250 °C 250 °C to 850 °C	0.015 °C 0.18 °C	
HUMIDITY			
Relative Humidity	*10 °C to 65 °C* 10 %rh to 90 %rh *- 5 °C to + 10 °C* 10 %rh to 90 %rh *20 °C to 24 °C* 10 %rh to 30 %rh 30 %rh to 90 %rh	1.7 %rh 2.5 %rh 0.60 %rh 1.5 %rh	Relative humidity limits 24 %rh to 90 %rh at -5 °C 10 %rh to 90 %rh above 7 °C
Temperature in Air	-5 °C to 65 °C 20 °C to 24 °C	0.25 °C 0.15 °C	

END