


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS CALIBRATION 0425</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>RCL</h3> <p>Issue No: 019 Issue date: 03 January 2012</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
DC VOLTAGE			
Generation	0 mV to 100 mV 100 mV to 10 V 10 V to 100 V 100 V to 1 kV 1 kV to 10 kV	20 ppm + 2.0 μ V 20 ppm + 2.0 μ V 20 ppm 20 ppm 0.040 %	
Measurement	0 mV to 100 mV 100 mV to 1 V 1 V to 10 V 10 V to 100 V 100 V to 1 kV 1 kV to 10 kV 1 kV to 10 kV	45 ppm + 4.0 μ V 35 ppm + 8.0 μ V 35 ppm + 50 μ V 50 ppm + 0.60 mV 50 ppm + 1.0 mV 0.040 % (At 1.0 V output) 0.070 % (At 10.0 V output)	
DC RESISTANCE			
Generation	10 Ω 100 Ω 1 k Ω 10 k Ω 100 k Ω 1 M Ω 10 M Ω 100 M Ω	60 ppm 25 ppm 25 ppm 25 ppm 35 ppm 65 ppm 120 ppm 500 ppm	
Measurement	0 Ω to 10 Ω 10 Ω to 100 Ω 100 Ω to 1 k Ω 1 k Ω to 10 k Ω 10 k Ω to 100 k Ω 100 k Ω to 1 M Ω 1 M Ω to 10 M Ω 10 M Ω to 100 M Ω	120 ppm + 4.0 m Ω 120 ppm + 4.0 m Ω 120 ppm + 10 m Ω 120 ppm + 100 m Ω 120 ppm + 1.0 Ω 250 ppm 600 ppm 0.95 %	



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks
DC CURRENT			
Generation	100 μ A to 1 mA 1 mA to 10 mA 10 mA to 100 mA 100 mA to 1 A 1 A to 10 A	120 ppm + 20 nA 120 ppm + 0.20 μ A 120 ppm + 2.0 μ A 250 ppm + 40 μ A 750 ppm + 0.20 mA	
Measurement	10 μ A to 100 μ A 100 μ A to 1 mA 1 mA to 10 mA 10 mA to 100 mA 100 mA to 1 A 1 A to 10 A	600 ppm + 25 nA 600 ppm + 50 nA 600 ppm + 2.0 μ A 600 ppm + 5.0 μ A 650 ppm + 0.20 mA 0.20 % + 8.0 mA	
AC VOLTAGE			
Generation	30 Hz to 30 kHz 100 mV to 10 V 10 V to 100 V 45 Hz to 30 kHz 100 V to 1 kV	0.040 % + 30 μ V 0.025 % + 8.0 mV 0.050 % + 50 mV	
Measurement	10 Hz to 20 kHz 10 mV to 100 mV 100 mV to 1 V 1 V to 10 V 45 Hz to 20 kHz 10 V to 100 V 100 V to 1 kV	0.080 % + 40 μ V 0.080 % + 0.30 mV 0.080 % + 3.0 mV 0.080 % + 30 mV 0.10 % + 230 mV	
AC CURRENT			
Generation	45 Hz to 1 kHz 100 μ A to 100 mA 100 mA to 1 A 1 A to 10 A	0.060 % + 20 μ A 0.075 % + 0.20 mA 0.25 % + 3.0 mA	
Measurement	45 Hz to 5 kHz 10 μ A to 100 μ A 100 μ A to 1 mA 1 mA to 10 mA 10 mA to 100 mA 100 mA to 1 A 1 A to 10 A	0.18 % + 60 nA 0.12 % + 0.40 μ A 0.180 % + 6.0 μ A 0.12 % + 40 μ A 0.12 % + 0.4 mA 0.18 % + 6.0 mA	



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FREQUENCY Generation and Measurement Specific Values Other Values	0.1 MHz, 1 MHz, 5 MHz and 10 MHz 10 Hz to 100 Hz 100 Hz to 1 kHz 1 kHz to 10 kHz 10 kHz to 100 kHz 100 kHz to 160 MHz	2.0 in 10^9 1.0 in 10^6 1.0 in 10^7 1.2 in 10^8 3.3 in 10^9 3.1 in 10^9	May be also expressed as 1/f for periodic time of repetitive events
END			