

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Electrical – DC/LF			
DC Voltage – Measure ⁵	10 mV to 330 mV 330 mV to 1000 V	0.03 % + 3 µV 0.02 % + 4.8 mV	Using 8.5 Digit Multimeter by Direct method
AC Voltage – Measure @ 50 Hz, @1 kHz, @10 kHz ⁵	10 mV to 33 mV 33 mV to 330 mV 0.33 V to 3.3 V 3.3 V to 33 V 33 V to 330 V 330 V to 1000 V	1.7 % + 100 µV 0.48 % + 0.11 mV 0.39 % + 0.1 mV 0.37 % + 0.6 mV 0.63 % + 5.3 mV 0.18 % + 30 mV	
DC Resistance – Measure ⁵	1 Ω to 11 Ω 11 Ω to 33 Ω 33 Ω to 33 kΩ 33 kΩ to 110 kΩ 110 kΩ to 330 kΩ 0.33 MΩ to 3.3 MΩ 3.3 MΩ to 11 MΩ 11 MΩ to 33 MΩ 33 MΩ to 100 MΩ	0.06 % + 0.4 mΩ 0.03 % + 0.4 mΩ 0,02 % 0.02 % + 1.1 Ω 0.02 % + 1.2 Ω 0.03 % + 0.06 KΩ 0.12 % + 0.26 KΩ 0.20 % + 0.12 KΩ 1 % + 5 KΩ	Using 8.5 Digit Multimeter by Direct method
DC Current Measure ⁵	100 µA to 330 µA 0.33 mA to 1 mA 1 mA to 3.3 mA 3.3 mA to 10 mA 10 mA to 33 mA 33 mA to 100 mA 100 mA to 330 mA 330 mA to 3.3 A 3.3 A to 10 A	0.07 % + 11 nA 0.09 % + 13 nA 0.03 % + 68 nA 0.03 % + 0.23 µA 0.03 % + 0.24 µA 0.04 % + 2.9 µA 0.03 % + 4.6 µA 0.11 % + 44 µA 0.21 % + 0.69 mA	
AV Current Measure ⁵ @ 50 Hz, @1kHz, @10 kHz	5 mA to 33 mA 33 mA to 330 mA 0.33 A to 3.3 A 3.3 A to 10 A	0.33 % + 0.9 µA 0.47 % + 0.023 mA 0.57 % + 0.13 mA 0.37 % + 0.63 mA	
DC Voltage Generate ⁵	10 mV to 50 mV 50 mV to 200 mV 0.2 V to 2 V 2 V to 20 V 20 V to 200 V 200 V to 1000 V	0.007 % + 0.034 µV 0.002 % + 0.07 µV 0.001 % + 0.2 µV 0.001 % + 4.6 µV 0.002 % + 0.048 mV 0.002 % + 0.12 mV	
AC Voltage Generate ⁵ @ 50 Hz, @1 kHz, @10 kHz	10 mV to 200 mV 0.2 V to 200 V 200 V to 1000 V	0.19 % + 0.8 µV 0.02 % reading 0.06 % + 0.12 mV	Using Electrical Calibrator by Direct method
DC Current Generate ⁵	100 µA to 200 µA 0.2 mA to 2 mA 2 mA to 20 mA 20 mA to 200 mA	0,01 % + 0.6 nA 0.007 % + 3 nA 0.007 % + 1.8 nA 0.05 % + 0.086 µA	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
DC Current Generate ⁵ (continued)	0.2 A to 2 A	0.06 % + 0.007 mA	Using Electrical Calibrator by Direct method (continued)
	2 A to 10 A	0.11 % + 0.023 mA	
AC Current Generate ⁵ @ 50 Hz, @1 kHz, @10 kHz	5 mA to 20 mA	0.05 % + 0.35 µA	
	20 mA to 200 mA	0.05 % + 3.6 µA	
	200 mA to 2 A	0.10 % + 31 µA	
	2 A to 10 A	0.22 % + 2.2 mA	
DC Resistance – Generate ⁵	1 Ω to 10 Ω	0.02 % + 0.007 mΩ	
	10 Ω to 100 Ω	0.007 % + 0.14mΩ	
	0.1 kΩ to 1 kΩ	0.007 % + 1.3 mΩ	
	1 kΩ to 10 kΩ	0.008 % + 15 mΩ	
	10 kΩ to 100 kΩ	0.007 % + 0.17 Ω	
	0.1 MΩ to 1 MΩ	0.008 % + 4.4 Ω	
	1 MΩ to 10 MΩ	0.03 % + 17 Ω	
	10 MΩ to 100 MΩ	0.33 % + 5.4 KΩ	