Issue date: 18 December 2023
Valid Until: 17 October 2028

NO: SAMM 533

LABORATORY LOCATION/ CENTRAL OFFICE:	Sirim Calibration Sdn. Bhd., Kuching Bangunan SIRIM Berhad Lot 802, Jalan Demak Laut 2 Jalan Perindustrian Demak Laut 93756 Kuching, Sarawak , 93756, SARAWAK MALAYSIA
ACCREDITED SINCE :	04 FEBRUARY 2025
FIELD(S) OF CALIBRATION:	DIMENSIONAL PRESSURE HEAT & TEMPERATURE ELECTRICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

CENTRAL LOCATION	Sirim Calibration Sdn. Bhd., Kuching Bangunan SIRIM Berhad Lot 802, Jalan Demak Laut 2 Jalan Perindustrian Demak Laut 93756 Kuching, Sarawak , 93756, Sarawak
FIELD(S) OF CALIBRATION :	DIMENSIONAL, PRESSURE, HEAT & TEMPERATURE, ELECTRICAL

SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Caliper	0.01 mm to 600 mm	10 µm	Caliper Checker JIS B 7507
Micrometer	0.001 mm to 25 mm	1 µm	Gauge Block BS EN ISO 3611

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SCOPE OF CALIBRATION : PRESSURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Pressure Measuring Device (oil Medium)	10 psi to 800 psi 801 psi to 16000 psi	0.03% of pressure 0.02% of pressure	Reference Standard: Dead Weight Tester BS EN 837-1

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SCOPE OF CALIBRATION : HEAT & TEMPERATURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Liquid-in-glass Thermometer (total Immersion)	-20 °C to 250 °C	0.09 ^{o}C	Comparison method using Pt 100 Reference Standard in liquid bath
Temperature Sensor With Digital Indicator	-20 ^{o}C to 250 ^{o}C	0.07 ^{o}C	Comparison method using Pt 100 Reference Standard in liquid bath
Mechanical Thermometer	-20 ^{o}C to 250 ^{o}C	0.3 °C	Comparison method using Pt 100 Reference Standard in liquid bath

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SCOPE OF CALIBRATION : ELECTRICAL

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Measuring Instrument (a) Dc Voltage (±)	0 mV to 330 mV 330 mV to 3.3 V 3.3V to 33 V 33 V to 330 V 330 V to 1020 V	23 µV/V + 1.7 µV 11 µV/V + 9.9 µV 13 µV/V + 96 µV 24 µV/V + 0.97 mV 3 24 µV/V + 5.5 mV	Generate using calibrator model Fluke 5522 A
Measuring Instrument (b) Resistance	0 ? to 11 ? 11 ? to 33 ? 33 ? to 110 ? 110 ? to 330 ? 330 ? to 1.1k? 1.1 k? to 3.3 k? 3.3 k? to 11k? 11k? to 33 k? 33 k? to 110 k? 110 k? to 330 k? 330 k? to 1.1 M? 1.1 M? to 3.3 M? 3.3 M? to 11 M? 11 M? to 33 M? 33 M? to 110 M? 110 M? to 330 M? 330 M? to 1100 M?	48 µ?/? + 1.2 m? 35 µ?/? + 1.8 m? 34 µ?/? + 1.6 m? 33 µ?/? + 2.4 m? 1.3 µ?/? + 0.67 m? 4.8 µ?/? + 0.67 m? 12 µ?/? + 0.64 m? 27 µ?/? + 0.6 m? 32 µ?/? + 0.42 ? 38 µ?/? + 2.4 ? 37 µ?/? + 3.8 ? 70 µ?/? + 35 ? 0.16 m?/? + 62 ? 0.3 m?/? + 2.9 k? 0.6 m?/? + 4.7 k? 3.6 m?/? + 0.11 M? 18 m?/? + 5.8 M?	Generate using calibrator model Fluke 5522 A
Measuring Instrument (c) Ac Voltage (see Matrix A)	0 mV to 1020 V (See Matrix A)	(See Matrix A)	Generate using calibrator model Fluke 5522 A
Measuring Instrument (d) Frequency	0.01 Hz to 120 Hz 120 Hz to 1200 Hz 1.2 kHz to 12 kHz 12 kHz to 120 kHz 120 kHz to 1.2 MHz 1.2 MHz to 2 MHz	2.4 µHz/Hz + 79 µHz 2.5 µHz/Hz + 0.61 mHz 64 nHz/Hz + 0.89 Hz 0.53 µHz/Hz + 0.88 Hz 0.62 µHz/Hz + 8.7 Hz 1.4 µHz/Hz + 7.9 µHz	Generate using calibrator model Fluke 5522 A

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Measuring Instrument (e) Capacitance	220 pF to 400 pF 0.4 nF to 1.1 nF 1.1 nF to 3.3 nF 3.3 nF to 11 nF 11nF to 33 nF 33 nF to 110 nF 110 nF to 320 nF 0.33 mF to 1.1 mF 1.1 mF to 3.3 mF 3.3 mF to 11 mF 11 mF to 33 mF 33 mF to 110 mF 110 mF to 330 mF 0.33 mF to 1.1 mF 1.1 mF to 3.3 mF 3.3 mF to 11 mF 11 mF to 33 mF 33 mF to 110 mF	5.8 µF/F + 12 pF 5.6 mF/F + 13 pF 5.9 mF/F + 12 pF 3 mF/F + 12 pF 3.4 mF/F + 7 pF 2.9 mF/F + 21 pF 2.9 mF/F + 59 pF 3 mF/F + 1.2 nF 3 mF/F + 3.6 nF 3 mF/F + 12 nF 4.6 mF/F + 38 nF 5.3 mF/F + 0.13 µF 5.2 mF/F + 0.36 µF 5.3 mF/F + 1.2 µF 5.3 mF/F + 3.5 µF 5.8 mF/F + 17 µF 8.7 mF/F + 35 µF 13 mF/F + 0.12 mF	Generate using calibrator model Fluke 5522 A
Measuring Instrument (f) Dc Current	0 µA to 330µA 330 mA to 3.3 mA 3.3 mA to 33 mA 33 mA to 330 mA 330 mA to 1.1 mA 1.1 A to 3 A 3 A to 11 A 11 A to 20.5 A	0.18 mA/A + 24 nA 0.12 mA/A + 59 nA 0.12 mA/A + 0.33 µA 0.12 mA/A + 3.3 µA 0.24 mA/A + 51 µA 0.44 mA/A + 59 µA 0.56 mA/A + 0.92 mA 1.3 mA/A + 1.1 mA	Generate using calibrator model Fluke 5522 A
Measuring Instrument (g) Ac Current (see Matrix B)	(See Matrix B)	(See Matrix B)	Generate using calibrator model Fluke 5522 A
Measuring Instrument (h) Clamp Meters Dc Current Via Current Coil	10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	2.8 mA/A + 5 mA 4.5 mA/A - 55 mA 3 mA/A + 27 mA	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	0 A to 20.5 A	4.3 mA/A + 8.7 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (1-Turn Coil)
	0 A to 102.5 A	4.9 mA/A + 9.9 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (5-Turn Coil)

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	0 A to 1025 A	2.9 mA/A + 18 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (50-Turn Coil)
Measuring Instrument (h) Clamp Meters Ac Current Via Current Coil	**(45 Hz to 65 Hz)** 10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	2.8 mA/A + 19 mA 3.2 mA/A + 43 mA 2.8 mA/A + 0.22 A	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	(65 Hz to 440 Hz) 10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	8.9 mA/A + 10 mA 9.2 mA/A + 31 mA 9.1 mA/A + 0.17 A	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	30 Hz to 60 Hz 0 A to 20.5 A	3.2 mA/A + 46 mA	Generate using Calibrator Fluke 5522A withTransmille 2901 AC/DC Clamp Coil Adaptor (1-Turn Coil)
	30 Hz to 60 Hz 0 A to 102.5 A	2.9 mA/A + 44 mA	Generate using Calibrator Fluke 5522A withTransmille 2901 AC/DC Clamp Coil Adaptor (5-Turn Coil)
	30 Hz to 60 Hz 0 A to 1025 A	2.9 mA/A + 18 mA	Generate using Calibrator Fluke 5522A withTransmille 2901 AC/DC Clamp Coil Adaptor (50-Turn Coil
Measuring Instrument (i) Timer/ Stopwatch	0 sec. to 10 sec. 0 sec. to 100 sec. 0 sec. to 1000 sec 0 sec. to 10000 sec. 0 hr. to 24 hr.	33 µs/s + 40 ms 1.2 µs/s + 41 ms 0.95 µs/s + 40 ms 67 ns/s + 41 ms 0.12 µs/s + 40 ms	Comparison using Time Calibrator SST2
Measuring Instrument (j) Power Meters Dc Power Energy	0.1 W to 1 kW 1 kW to 20 kW	0.26 mW/W + 0.28 mW 0.82 mW/W - 2.7 mW	Generate using Fluke 5522A
Measuring Instrument Ac Power Energy 45 Hz To 65 Hz At Pf = 1	0.1 W to 1 W 1 W to 10 kW 10 kW to 20 kW	0.2 mW/W + 23 mW 1.2 mW/W + 7.8 mW 1.2 mW/W + 50 mW	Generate using Fluke 5522A

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Sourcing/generating Instrument (a) Dc Voltage	± 100 mV Range ± (100 µV to 120 mV) ±1 V Range ± (0.1 V to 1.2 V) ± 10 V Range ± (1 V to 12 V) ± 100 V Range ± (10 V to 10 V) ±1000 V Range ± (100 V to 1050 V)	4.4 µV/V + 0.7 µV 3.6 µV/V + 2 µV 4.7 µV/V + 2.6 µV 6.1 µV/V + 0.16 mV 6.1 µV/V + 1.5 mV	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (b) Ac Voltage	10 mV to 700 V (See Matrix C)	(See Matrix C)	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (c) Frequency Or Period	Input Signal 1 mVrms to 700 Vrms 1 Hz to 40 Hz or 1 s to 25 ns 40 Hz to 10 MHz or 25 ns to 100 ns	0.58 mHz/Hz + 0.11 µHz 0.58 ms/s - 31 ps 0.12 mHz/Hz - 8.3 mHz 0.12 ms/s + 2 fs	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (d) Resistance, (four-wire Ohms And Twowire Ohms)	0 ? to 12 ? 10 ? to 120 ? 0.1 k? to 1.2 k? 1 k? to 12 k? 10 k? to 120 k? 0.1 M? to 1.2 M? 1 M? to 12 M? 10 M? to 120 M? 0.1 G? to 1.2 G?	15 µ?/? + 0.11 m? 13 µ?/? + 0.79 m? 11 µ?/? + 2.3 m? 11 µ?/? + 22 m? 8.6 µ?/? + 0.46 ? 13 µ?/? + 10 ? 52 µ?/? + 0.2 k? 0.55 m?/? + 5 k? 58 m?/? + 10 k?	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (e) Dc Current	± 100 nA Range ± (1 nA to 120 nA) ± 1 µA Range ± (0.1 µA to 1.2 µA) ± 10 µA Range ± (1 µA to 12 µA) ± 100 µA Range ± (10 µA to 120 µA) ± 1 mA Range ± (0.1 mA to 1.2 mA) ± 10 mA Range ± (1 mA to 12 mA) ± 100 mA Range ± (10 mA to 120 mA) ± 1 A Range ± (0.1 A to 1.05 A)	30 mA/A + 48 pA 20 mA/A + 48 pA 26 µA/A + 0.12 nA 19 µA/A + 2.1 nA 22 µA/A + 12 nA 23 µA/A + 0.11 µA 42 µA/A + 1.4 µA 0.12 mA/A + 21 µA	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Sourcing/generating Instrument (f) Ac Current	5 µA to 1 A (See Matrix D)	(See Matrix D)	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002

SITE LOCATION (HQ)	1. Site Category 1
FIELD(S) OF CALIBRATION :	ELECTRICAL,HEAT & TEMPERATURE

SCOPE OF CALIBRATION : HEAT & TEMPERATURE

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**	**Remarks**
Temperature Controlled Enclosure	0 °C to 300 °C	0.7 °C	Temperature Recorder and TC Wire based on Thai Laboratory Accreditation Scheme G-20

SCOPE OF CALIBRATION : ELECTRICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**	**Remarks**
Measuring Instrument (a) Dc Voltage (±)	0 mV to 330 mV 330 mV to 3.3 V 3.3V to 33 V 33 V to 330 V V 330 V to 1020 V	23 µV/V + 1.7 µV 11 µV/V + 9.9 µV 13 µV/V + 96 µV 24 µV/V + 0.97 mV 24 µV/V + 5.5 mV	Generate using calibrator model Fluke 5522 A

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Measuring Instrument (b) Resistance	0 ? to 11 ? 11 ? to 33 ? 33 ? to 110 ? 110 ? to 330 ? 330 ? to 1.1k? 1.1 k? to 3.3 k? 3.3 k? to 11k? 11k? to 33 k? 33 k? to 110 k? 110 k? to 330 k? 330 k? to 1.1 M? 1.1 M? to 3.3 M? 3.3 M? to 11 M? 11 M? to 33 M? 33 M? to 110 M? 110 M? to 330 M? 330 M? to 1100 M?	48 µ?/? + 1.2 m? 35 µ?/?+ 1.8 m? 34 µ?/? + 1.6 m? 33 µ?/? + 2.4 m? 1.3 µ?/? + 0.67 m? 4.8 µ?/?+ 0.67 m? 12 µ?/? + 0.64 m? 27 µ?/? + 0.6 m? 32 µ?/? + 0.42 ? 38 µ?/? + 2.4 ? 37 µ?/? + 3.8 ? 70 µ?/? + 35 ? 0.16 m?/? + 62 ? 0.3 m?/? + 2.9 k? 0.6 m?/? + 4.7 k? 3.6 m?/? + 0.11 M? 18 m?/? + 5.8 M?	Generate using calibrator model Fluke 5522 A
Measuring Instrument (c) Ac Voltage (see Matrix E)	0 mV to 1020 V (See Matrix E)	(See Matrix E)	Generate using calibrator model Fluke 5522 A
Measuring Instrument (d) Frequency	0.01 Hz to 120 Hz 120 Hz to 1200 Hz 1.2 kHz to 12 kHz 12 kHz to 120 kHz 120 kHz to 1.2 MHz 1.2 MHz to 2 MHz	2.4 µHz/Hz + 79 µHz 2.5 µHz/Hz + 0.61 mHz 64 nHz/Hz + 0.89 Hz 0.53 µHz/Hz + 0.88 Hz 0.62 µHz/Hz + 8.7 Hz 1.4 µHz/Hz + 7.9 µHz	Generate using calibrator model Fluke 5522 A

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Measuring Instrument (e) Capacitance	220 pF to 400 pF 0.4 nF to 1.1 nF 1.1 nF to 3.3 nF 3.3 nF to 11 nF 11nF to 33 nF 33 nF to 110 nF 110 nF to 320 nF 0.33 mF to 1.1 mF 1.1 mF to 3.3 mF 3.3 mF to 11 mF 11 mF to 33 mF 33 mF to 110 mF 110 mF to 330 mF 0.33 mF to 1.1 mF 1.1 mF to 3.3 mF 3.3 mF to 11 mF 11 mF to 33 mF 33 mF to 110 mF	5.8 µF/F + 12 pF 5.6 mF/F + 13 pF 5.9 mF/F + 12 pF 3 mF/F + 12 pF 3.4 mF/F + 7 pF 2.9 mF/F + 21 pF 2.9 mF/F + 59 pF 3 mF/F + 1.2 nF 3 mF/F + 3.6 nF 3 mF/F + 12 nF 4.6 mF/F + 38 nF 5.3 mF/F + 0.13 µF 5.2 mF/F + 0.36 µF 5.3 mF/F + 1.2 µF 5.3 mF/F + 3.5 µF 5.8 mF/F + 17 µF 8.7 mF/F + 35 µF 13 mF/F + 0.12 mF	Generate using calibrator model Fluke 5522 A
Measuring Instrument (f) Dc Current (±)	0 µA to 330µA 330 mA to 3.3 mA 3.3 mA to 33 mA 33 mA to 330 mA 330 mA to 1.1 mA 1.1 A to 3 A 3 A to 11 A 11 A to 20.5 A	0.18 mA/A + 24 nA 0.12 mA/A + 59 nA 0.12 mA/A + 0.33 µA 0.12 mA/A + 3.3 µA 0.24 mA/A + 51 µA 0.44 mA/A + 59 µA 0.56 mA/A + 0.92 mA 1.3 mA/A + 1.1 mA	Generate using calibrator model Fluke 5522 A
Measuring Instrument Ac Current (see Matrix F)	(See Matrix F)	(See Matrix F)	Generate using calibrator model Fluke 5522 A
Measuring Instrument (h). Clamp Meters Dc Current Via Current Coil	10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	2.8 mA/A + 5 mA 4.5 mA/A - 55 mA 3 mA/A + 27 mA	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	0 A to 20.5 A	4.3 mA/A + 8.7 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (1-Turn Coil)
	0 A to 102.5 A	4.9 mA/A + 9.9 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (5-Turn Coil)

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**	**Remarks**
	0 A to 1025 A	2.9 mA/A + 18 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (50-Turn Coil)
Measuring Instrument (h). Clamp Meters Ac Current Via Current Coil	**(45 Hz to 65 Hz)** 10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	2.8 mA/A + 19 mA 3.2 mA/A + 43 mA 2.8 mA/A + 0.22 A	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	(65 Hz to 440 Hz) 10 A to 16.5 A 16.5 A to 150 A 150 A to 1025 A	8.9 mA/A + 10 mA 9.2 mA/A + 31 mA 9.1 mA/A + 0.17 A	Generate using Calibrator Fluke 5522A with Fluke 5500 A/Coil (50-Turn Coil)
	30 Hz to 60 Hz 0 A to 20.5 A	3.2 mA/A + 46 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (1-Turn Coil)
	30 Hz to 60 Hz 0 A to 102.5 A	2.9 mA/A + 44 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (5-Turn Coil)
	30 Hz to 60 Hz 0 A to 1025 A	2.9 mA/A + 18 mA	Generate using Calibrator Fluke 5522A with Transmille 2901 AC/DC Clamp Coil Adaptor (50-Turn Coil
Measuring Instrument (i) Timer/ Stopwatch	0 sec. to 10 sec. 0 sec. to 100 sec. 0 sec. to 1000 sec. 0 sec. to 10000 sec. 0 hr. to 24 hr.	33 µs/s + 40 ms 1.2 µs/s + 41 ms 0.95 µs/s + 40 ms 67 ns/s + 41 ms 0.12 µs/s + 40 ms	Comparison using Time Calibrator SST2
Measuring Instrument (j). Power Meters Dc Power Energy	0.1 W to 1 kW 1 kW to 20 kW	0.26 mW/W + 0.28 mW 0.82 mW/W - 2.7 mW	Generate using Fluke 5522A
Measuring Instrument Ac Power Energy 45 Hz To 65 Hz At Pf = 1	0.1 W to 1 W 1 W to 10 kW 10 kW to 20 kW	0.2 mW/W + 23 mW 1.2 mW/W + 7.8 mW 1.2 mW/W + 50 mW	Generate using Fluke 5522A

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**	**Remarks**
Sourcing/generating Instrument (a) Dc Voltage	± 100 mV Range ± (100 µV to 120 mV) ± 1 V Range ± (0.1 V to 1.2 V) ± 10 V Range ± (1 V to 12 V) ± 100 V Range ± (10 V to 1o V) ± 1000 V Range ± (100V to 1050V)	4.4 µV/V + 0.7 µV 3.6 µV/V + 2 µV 4.7 µV/V + 2.6 µV 6.1 µV/V + 0.16 mV 6.1 µV/V + 1.5 mV	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (b) Ac Voltage	10 mV to 700 V (See Matrix G)	(See Matrix G)	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002
Sourcing/generating Instrument (c) Frequency Or Period	Input Signal 1 mVrms to 700 Vrms 1 Hz to 40 Hz or 1 s to 25 ns 40 Hz to 10 MHz or 25 ms to 100 ns	0.58 mHz/Hz + 0.11 µHz 0.58 ms/s - 31 ps 0.12 mHz/Hz - 8.3 mHz 0.12 ms/s + 2 fs	Measure using 8 ½ Digit Multimeter Keysight 3458A Opt. 002