As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.

Valid from 11 December 2024
to 16 May 2028
Issued on 11 December 2024

ISO/ IEC 17025
CL 006-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: CL 006-01

Electruments International (Pvt) Ltd,
No. 371/C, Main Street,
Ganemulla.

Scope of Accreditation: Performing Electrical Calibrations as per the calibration methods appearing in the schedule.

The Laboratory is accredited for the following tests appear from page 02 & 03;

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration methods / Measurement procedure	Range of calibration	Readability/ Resolution as applicable	Calibration Measurement Capability Value (CMC) (At 95% confidence Level, k=2) (±)	Location (Site/ In house)
01	Calibration Of Multimeter	DC Voltage	ECAL/SOP/E01 Rev :01	200 mV (20 mV - 100mv)	0.01 mv	0.02 mV	Site/ In house
				200 mV (100 mV-200mV)	0.01 mv	1.2mV	
				2 V (0.2 V - 1.8 V)	0.0001 V	0.0012 V	
				20 V (2 V - 18V)	0.001 V	0.012 V	
				200 V (20 V - 180 V)	0.01 V	0.12 V	
				1000 V (100 V - 700 V)	0.1 V	0.38 V	
		AC Voltage		200 mV (20 mV - 100 mv)	0.01 mv	0.23 mV	
				200 mV (100 mV - 200mV)	0.01 mv	0.31 mV	
				2 V (0.2 V - 1.8 V)	0.0001 V	0.003 V	
				20 V (2 V - 18V)	0.001 V	0.015 V	
				200 V (20 V - 180 V)	0.01 V	0.16 V	
				1000 V (100 V - 700 V)	0.1 V	0.27 V	
		AC Current		2 mA (0.2 mA - 1 mA)	0.0001 mA	0.0005 mA	
				2 mA (1.8 mA -2 mA)	0.0001 mA	0.002 mA	
				2 mA (2 mA -10 mA)	0.001 mA	0.005 mA	
				20 mA (10 mA - 18 mA)	0.001 mA	0.011 mA	
				200 mA (20 mA - 100 mA)	0.01 mA	0.046 mA	
				200 mA (100 mA-180 mA)	0.01 mA	0.17 mA	
				2 A (0.2 A - 1 A)	0.0001 A	0.0013 A	
				2 A (1 A - 1.8 A)	0.0001 A	0.0022 A	
				10 A (1 A - 9 A)	0.001 A	0.01 A	
		DC Current		2 mA (0.2 mA - 1 mA)	0.0001 mA	0.0002 mA	
				2 mA (1.8 mA -2 mA)	0.0001 mA	0.001 mA	
				20 mA (2 mA - 18 mA)	0.001 mA	0.002 mA	
				200 mA (20 mA - 100 mA)	0.01 mA	0.014 mA	
				200 mA (100 mA-180 mA)	0.01 mA	0.14 mA	
				2 A (0.2 A - 1 A)	0.0001 A	0.0003 A	
				2 A (1 A - 1.8 A)	0.0001 A	0.0009 A	
				10 A (1 A - 9 A)	0.001 A	0.0036 A	
		Resistance		1 Ω	0.00001 Ω	0.0005 Ω (Readability of reference instrument)	
				10 Ω	0.0001 Ω	0.0003 Ω (Readability of reference instrument)	
				100 Ω	0.0001 Ω	0.0016 Ω (Readability of reference instrument)	
				1 kΩ	0.000001 kΩ	0.003 Ω (Readability of reference instrument)	
				10 kΩ	0.00001 kΩ	0.02 Ω (Readability of reference instrument)	
				100 kΩ	0.0001 kΩ	0.32 Ω (Readability of reference instrument)	
				1 MΩ	0.000001 MΩ	0.00001 MΩ (Readability of reference instrument)	
				10 MΩ	0.00001 MΩ	0.0013 MΩ (Readability of reference instrument)	
				100 MΩ	0.0001 MΩ	0.07 MΩ (Readability of reference instrument)	

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration methods / Measurement procedure	Range of calibration	Readability/ Resolution as applicable	Calibration Measurement Capability Value (CMC) (At 95% confidence Level, k=2) (±)	Location (Site/ In house)
01	Calibration Of Multimeter	Frequency	ECAL/SOP/E01 Rev :01	45 Hz - 500 Hz	0.1 Hz	0.12 Hz (Readability of reference instrument)	Site/ In house
				500 Hz - 1000 Hz	0.1 Hz	0.55 Hz (Readability of reference instrument)	
		Capacitance		1 nF	0.001 nF	0.008 nF (Readability of reference instrument)	
				10 nF	0.001 nF	0.08 nF (Readability of reference instrument)	
				100 nF	0.01 nF	0.08 nF (Readability of reference instrument)	
				1 µF	0.0001 µF	0.002 µF (Readability of reference instrument)	
				10 µF	0.001 µF	0.002 µF (Readability of reference instrument)	

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment