



Valid from 14 December 2018
to 13 December 2021
Issued on 14 December 2018

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



ISO/IEC 17025
CL 013-01

Schedule of Accreditation

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

Accreditation Number: CL 013 -01

SriLankan Engineering Calibration Laboratory
Aircraft Maintenance Department,
SriLankan Airlines Ltd,
Airline Centre,
Bandaranaike International Airport,
Katunayake.

Scope of Accreditation: Performing Electrical and Mechanical Calibrations as per the test methods appearing in the schedule.

The Laboratory is accredited for the following tests appear on page 02 and 03;

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure	Range of calibration	CMC values	Location
Electrical Calibration						
E.1.1	Digital Voltage measuring instruments	DC Voltage/Direct Comparison	CAL / TMD / 01 / Issue No 02 (Rev. 00)	0 V - 1020 V	0.0014 % + 0.80 μ V	Permanent Laboratory
		AC Voltage/Direct Comparison		1 mV - 330 mV	0.067 % @ 10 Hz to 100 kHz 0.097 % @ < 100 kHz to 450 kHz	
				\leq 330 mV - 3.3 V	0.037 % @ 10 Hz to 100 kHz 0.044 % @ < 100 kHz to 450 kHz	
				\leq 3.3 V - 33 V	0.027 % @ 10 Hz to 50 kHz 0.044 % @ < 50 kHz to 90 kHz	
				\leq 33 V - 330 V	0.027 % @ 45 Hz to 50 kHz 0.065 % @ < 50 kHz to 100 kHz	
				\leq 330 V - 1020 V	0.024 % @ 45 Hz to 10 kHz	
E.1.2	Digital Current measuring instruments	DC Current/Direct Comparison	CAL / TMD / 01 / Issue No 02 (Rev. 00)	0 μ A - 330 μ A	0.015 % + 0.0032 μ A	Permanent Laboratory
		AC Current/Direct Comparison		\leq 0.33 mA - 3 A	0.015 %	
				\leq 3 A - 20 A	0.070 %	
				29 μ A - 330 mA	0.058 % @ 10 Hz to 45 Hz 0.049 % @ \leq 45 Hz to 1 kHz 0.076 % @ < 1 kHz to 5 kHz 0.12 % @ < 5 kHz to 10 kHz 0.46 % @ < 10 kHz to 30 kHz	
				\leq 0.33 A - 3 A	0.060 % @ 10 Hz to 45 Hz < 0.034 % @ \leq 45 Hz to 1 kHz 0.25 % @ < 1 kHz to 5 kHz 0 % @ < 1 kHz to 10 kHz 0.49 % @ < 5 kHz to 10 k	
				\leq 3 A - 20 A	0.090 % @ 45 Hz to 1 kHz 0.50 % @ < 1 kHz to 5 kHz	

SI No	Type of instrument	Calibration performed	Calibration methods / Measurement procedure	Range of calibration	CMC values	Location
E.1.3	Digital Resistance measuring instrument	2 wire resistance /Direct Comparison	CAL / TMD / 01 / Issue No 02 (Rev. 00)	0Ω to 11Ω $\leq 11 \Omega$ to 330Ω $\leq 0.33 \text{ k}\Omega$ to $1.1 \text{ M}\Omega$ $\leq 1.1 \text{ M}\Omega$ to $3.3 \text{ M}\Omega$ $\leq 3.3 \text{ M}\Omega$ to $11 \text{ M}\Omega$ $\leq 11 \text{ M}\Omega$ to $33 \text{ M}\Omega$ $\leq 33 \text{ M}\Omega$ to $110 \text{ M}\Omega$ $\leq 110 \text{ M}\Omega$ to $330 \text{ M}\Omega$ $\leq 330 \text{ M}\Omega$ to $1100 \text{ M}\Omega$	$0.020 \% + 0.00013 \Omega$ 0.0015% 0.0020% 0.0027% 0.0064% 0.0095% 0.013% 0.038% 0.13%	Permanent laboratory

Mechanical Calibration

M.1.1	Bourden tube / Electrical Pressure Gauge (Alcohol/Oil)	Gauge Pressure /Direct comparison	CAL/TMD/02/ Issue No 02 (Rev. 00)	0 psi to 1450 psi	0.45 psi	Permanent laboratory
				< 1450 psi to 17 000 psi	2.8 psi	
M.1.2	Bourden tube / Electrical Pressure Gauge (Nitrogen/Air)	Gauge Pressure /Direct comparison		0 psi to 200 psi	0.064 psi	
				< 200 psi to 350 psi	0.45 psi	
				0 psi to (-)12 psi	0.0036 psi	
M.2.1	Hand torque tools	Torque / Direct comparison	CAL / TMD / 03 /Issue No 02 (Rev. 00)	$0.2 \text{ N.m} \leq \tau \leq 2.0 \text{ N.m}$	0.28%	Permanent laboratory
				$2 \text{ N.m} < \tau \leq 10 \text{ N.m}$	0.41%	
				$10 \text{ N.m} < \tau < 20 \text{ N.m}$	0.51%	
				$20 \text{ N.m} \leq \tau < 300 \text{ N.m}$	0.43%	
				$300 \text{ N.m} \leq \tau \leq 1000 \text{ N.m}$	0.38%	

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment