

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



Valid from 21 August 2023
to 20 August 2026
Issued on 19 January 2024



ISO/IEC 17025
TL 026-01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity

Assessment Accreditation Number: TL 026-01

Meter Testing & Verification Laboratory
Ante LECO Metering Company (Pvt) Ltd.
Gorakagahwatta, Bandaragama

Scope of Accreditation: Performing Electrical testing on Single phase class 1.0 Static energy meters & Three phase class 1.0 Static energy meters as appearing in this schedule

The laboratory is accredited for the tests mentioned in Page 02 & 03;

Sl	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
01	Single phase Class 1.0 Static Energy Meter	Starting test	IEC 62053-21:2020 Clause 7.6 IEC 62052-11:2020 Clause 7.7	The meter shall start and continue to register at the starting current value $0.004I_b$. At least 1 pulse shall be registered within specified time period calculated as per standard. $U_n = 230$ V (Per phase) $F_n = 50$ Hz
		No load test	IEC 62053-21:2020 Clause 7.7 IEC 62052-11:2020 Clause 7.7	Voltage $115\% U_n$ is applied with no current flowing in the current circuit, the test output of the meter shall not produce more than one pulse $U_n = 230$ V (Per phase) $F_n = 50$ Hz
		Percentage error limit test due to variation of current	IEC 62053-21:2020 Clause 7.9	$0.05 I_b \leq I < 0.1 I_b$ at PF=1 Error ± 1.5 $0.1 I_b \leq I \leq I_{max}$ at PF=1 Error ± 1.0 $0.1 I_b \leq I < 0.2 I_b$ at PF=0.5 L Error ± 1.5 at PF=0.8 C Error ± 1.5 $0.2 I_b \leq I \leq I_{max}$ at PF=0.5 L Error ± 1.0 at PF=0.8 C Error ± 1.0 $U_n = 230$ V (Per phase) $F_n = 50$ Hz $I_{max} = 40$ A PF-Power Factor
		Meter constant	IEC 62053-21:2020 Clause 7.4 IEC 62052-11:2020 Clause 7.4	The relation between the test output and the indication in the display shall comply with the marking on the name-plate $U_n = 230$ V (Per phase) $F_n = 50$ Hz

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection
02	Three phase Class 1.0 Static Energy Meter	Starting test	IEC 62053-21:2020 Clause 7.6 IEC 62052-11:2020 Clause 7.7	The meter shall start and continue to register at the starting current value $0.004I_b$. At least 1 pulse shall be registered within specified time period calculated as per standard. $U_n = 230 \text{ V}$ (Per phase) / 400 V (Line-Line) $F_n = 50 \text{ Hz}$
		No load test	IEC 62053-21:2020 Clause 7.7 IEC 62052-11:2020 Clause 7.7	Voltage $115\% U_n$ is applied with no current flowing in the current circuit, the test output of the meter shall not produce more than one pulse $U_n = 230 \text{ V}$ (Per phase) / 400 V (Line-Line) $F_n = 50 \text{ Hz}$
		Percentage error limit test due to variation of current	IEC 62053-21:2020 Clause 7.9	$0.05 I_b \leq I < 0.1 I_b$ at PF=1 Error ± 1.5 $0.1 I_b \leq I \leq I_{\max}$ at PF=1 Error ± 1.0 $0.1 I_b \leq I < 0.2 I_b$ at PF=0.5 L Error ± 1.5 at PF=0.8 C Error ± 1.5 $0.2 I_b \leq I \leq I_{\max}$ at PF=0.5 L Error ± 1.0 at PF=0.8 C Error ± 1.0 $U_n = 230 \text{ V}$ (Per phase) / 400 V (Line-Line) $F_n = 50 \text{ Hz}$ $I_{\max} = 100 \text{ A}$ PF-Power Factor
		Meter constant	IEC 62053-21:2020 Clause 7.4 IEC 62052-11:2020 Clause 7.4	The relation between the test output and the indication in the display shall comply with the marking on the name-plate $U_n = 230 \text{ V}$ (Per phase) / 400 V (Line-Line) $F_n = 50 \text{ Hz}$

Director /CEO

Sri Lanka Accreditation Board for Conformity Assessment