Issue date: 03 September 2025
Valid Until: -

NO: SAMM 376
(Issue 2, 03 September 2025 replacement
of SAMM 376 dated 26 March 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	Smart Meters Technologies (M) Sdn Bhd No 2, Jalan Angklung, 33/20 Technology Park 40400 Shah Alam, Selangor , 40400, SELANGOR MALAYSIA
ACCREDITED SINCE :	03 SEPTEMBER 2025
FIELD(S) OF TESTING:	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).

CENTRAL LOCATION:	Smart Meters Technologies (M) Sdn Bhd No 2, Jalan Angklung, 33/20 Technology Park 40400 Shah Alam, Selangor , 40400, Selangor
FIELD(S) OF TESTING :	ELECTRICAL,

SCOPE OF TESTING : ELECTRICAL

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Conventional Electronic Energy Meter 1.single Phase Static Energy Meters Active Energy (class 1.0 & 2.0)	 1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping test) 3. Starting Test 4. Dial/ Register Test (Meter constant) 5. Output Pulse test	Tests and measurements at: Input voltage : 110 V to 276 V Input current : 0.015 A to 100 A Frequency : 50 Hz IEC 62053-21:2020 Clause 7.9 IEC 62053-21:2020 Clause 7.6 IEC 62053-21:2020 Clause 7.7 IEC 62053-21:2020 Clause 7.4 IEC 62053-21:2020 Clause 7.4
Conventional Electronic Energy Meter 2. Three Phase Static Energy Meter (current Transformer Operated Meters And Whole Current Meters) a) Active Energy (class 1.0 And 2.0) (class 0.5s And 0.2s)	 1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping test) 3. Starting Test 4. Dial/ Register Test (Meter constant) 5. Output Pulse test 6. Maximum Demand	Test and measurements at: Input voltage : 63.5 V to 276 V per phase Input current : 0.001 A to 100 A per phase Frequency : 50 Hz IEC 62053-21:2020 Clause 7.9 IEC 62053-22:2020 Clause 7.9 IEC 62053-21:2020 Clause 7.6 IEC 62053-22:2020 Clause 7.6 IEC 62053-21:2020 Clause 7.7 IEC 62053-22:2020 Clause7.7 IEC 62053-21:2020 Clause 7.4 IEC 62053-22:2020 Clause 7.4 IEC 62053-21:2020 Clause 7.4 IEC 62053-22:2020 Clause 7.4 IEC 62053-21:2020 Clause 7.4 IEC 62053-22:2020 Clause 7.4

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Conventional Electronic Energy Meter 2. Three Phase Static Energy Meter (current Transformer Operated And Whole Current Meters) A) Reactive Energy (class 2.0 And 3.0)	1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping test) 3. Starting Test 4. Dial/ Register Test (Meter constant) 5. Output Pulse test 6. Maximum Demand	Test and measurements at: Input voltage : 110 V to 276 V per phase Input current : 0.015 A to 100 A per phase Frequency : 50 Hz IEC 62053-23:2020 Clause 7.9 IEC 62053-23:2020 Clause 7.6 IEC 62053-23:2020 Clause 7.7 IEC 62053-23:2020 Clause 7.4 IEC 62053-23:2020 Clause 7.4 IEC 62053-23:2020 Clause 7.4
Hybrid Meter/ Smart Meter 1. Single Phase Static Energy Meters A) Active Energy (class 1.0 & 2.0)	1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping Test) 3. Starting Test 4. Dial/ Register Test (Meter Constant) 5. Maximum Demand	Test and measurements at: Input voltage : 110 V to 276 V per phase Input current : 0.015 A to 100 A per phase Frequency : 50 Hz IEC62053-21:2020 Clause 7.9 IEC62053-21:2020 Clause 7.6 IEC62053-21:2020 Clause 7.7 IEC62053-21:2020 Clause 7.4 IEC62053-21:2020 Clause 7.4
Hybrid Meter/ Smart Meter 1. Single Phase Static Energy Meters B) Reactive Energy (class 2.0 & 3.0)	1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping Test) 3. Starting Test 4. Dial/ Register Test (Meter Constant) 5. Maximum Demand	IEC62053-23:2020 Clause 7.9 IEC62053-23:2020 Clause 7.6 IEC62053-23:2020 Clause 7.7 IEC62053-23:2020 Clause 7.4 IEC62053-23:2020 Clause 7.4

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Hybrid Meter/ Smart Meter 2. Three Phase Static Energy Meter (current Transformer Operated And Whole Current Meters) A) Active Energy (class 1.0 & 2.0) (class 0.5s & 0.2s)	1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping Test) 3. Starting Test 4. Dial/ Register Test (Meter Constant) 5. Maximum Demand	Test and measurement at: Input voltage: 63.5 V to 276 V per phase Input current: 0.001 A to 100 A per phase Frequency: 50 Hz IEC62053-21:2020 Clause 7.9 IEC62053-22:2020 Clause 7.9 IEC62053-21:2020 Clause 7.6 IEC62053-22:2020 Clause 7.6 IEC62053-21:2020 Clause 7.7 IEC62053-22:2020 Clause 7.7 IEC62053-21:2020 Clause 7.4 IEC62053-22:2020 Clause 7.4 IEC62053-21:2020 Clause 7.4 IEC62053-22:2020 Clause 7.4
Hybrid Meter/ Smart Meter 2. Three Phase Static Energy Meter (current Transformer Operated And Whole Current Meters) B) Reactive Energy (class 2.0 & 3.0)	1. Limits of Error due to Variation of Current 2. Test of No Load Condition (Creeping Test) 3. Starting Test 4. Dial/ Register Test (Meter Constant) 5. Maximum Demand	IEC62053-23:2020 Clause 7.9 IEC62053-23:2020 Clause 7.6 IEC62053-23:2020 Clause 7.7 IEC62053-23:2020 Clause 7.4 IEC62053-23:2020 Clause 7.4