



中国认可
国际互认
检测
TESTING
CNAS L0730



SOUTH CHINA NATIONAL CENTER OF METROLOGY
GUANGDONG INSTITUTE OF METROLOGY

TEST REPORT

No. DBN202411951

Name of Sample: Advanced Modular Power Quality Analyzer
(Energy Meters)

Model / Type: iMeter 5
3 × 240/415 V 0.05-5(10) A 50 Hz

Sample Number: 3403156243

Applicant: CET Electric Technology Inc.

Manufacturer: CET Electric Technology Inc.

Test Type: Commission

Date Issued: 2024-09-25



(1) Basic Information

Name of Sample	Advanced Modular Power Quality Analyzer	Trade Mark	_____
Model / Type	iMeter 5 3×240/415 V 0.05-5(10) A 50 Hz	Class	Active Energy Class 0,2S Reactive Energy Class 0,5S
Sample No.	3403156243	Sample quantity	1
Applicant	CET Electric Technology Inc.		
Address	8/F, Westside, Building 201, Terra Industrial & Tradepark, Che Gong Miao, Shenzhen, Guangdong, P.R.China 518040		
Manufacturer	CET Electric Technology Inc.		
Test Site	Electricity Energy Meter Lab of DongGuan Branch		
Test Conditions	Temperature: (21~25) °C Humidity: (45~75) %RH		
Date Received	August 19, 2024	Commission No.	WT20240594
Test Date	September 02, 2024 to September 12, 2024	Test Type	Commission
Test Item	1 Metrological performance requirements and tests (Accuracy requirements) 2 The effects of external influence quantities and disturbances		
Test Standard	IEC 62052-11:2020 Electricity metering equipment - General requirements, tests and test conditions -Part 11: Metering equipment; IEC 62053-22:2020 Electricity metering equipment - Particular requirements -Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S) IEC 62053-24:2020 Electricity metering equipment - Particular requirements -Part 24: Static meters for fundamental component reactive energy(classes 0,5S, 1S, 1, 2 and 3)		
Conclusion	PASS (Seal of Report)		
Remarks	_____		

Tested by: *Plata*Checked by: *何建新*Approved by: *戴伟*

(2) Test Results Summary

No.	Test Item	Sample No.	Pass (P)	Fail (F)
1.1	Meter constant	3403156243	P	
1.2	Initial start-up of the meter	3403156243	P	
1.3	Test of no-load condition	3403156243	P	
1.4	Starting current test	3403156243	P	
1.5	Limits of error due to variation of the current	3403156243	P	
2	The effects of external influence quantities and disturbances	----	----	----
2.1	Tests of immunity to other influence quantities	----	----	----
2.1.1	Harmonics in the current and voltage circuits – 5th harmonic test	3403156243	P	
2.1.2	Interharmonics in the current circuit – burst fired waveform test	3403156243	P	
2.1.3	Odd harmonics in the current circuit	3403156243	P	
2.1.4	Voltage variation	3403156243	P	
2.1.5	Interruption of phase voltage	3403156243	P	
2.1.6	Frequency variation	3403156243	P	
2.1.7	Reversed phase sequence	3403156243	P	