TEST REPORT

Issued by:

YADAV MEASUREMENTS PRIVATE LIMITED

Plot No. F-373-375 RIICO Bhamashah Industrial Area, Kaladwas, Udaipur-Rajasthan-313003, INDIA Tel: 0091-294-2650127, 28, Fax: 0091-294-2650129 Email: Yadav.measurements@yadavmeasurements.com website: www.yadavmeasurements.com CIN number: U31909RJ2003PTC018450







Certificate Number: YMPL/2024-2025/2652/2/2323

ULR-TC659425100006862F

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1a.	Tested for:	AIWAA SYSTEMS PRIVATE LIMITED No 109, 2 Floor BTM 4 Stage 80 Feet Road, Bangalore Bengaluru Urban, KARNATAKA, 560076
1b.	Submitted by:	AIWAA SYSTEMS PRIVATE LIMITED No 109, 2 Floor BTM 4 Stage 80 Feet Road, Bangalore Bengaluru Urban, KARNATAKA, 560076
1c.	Test Certificate as per:	IEC 62052-11 and IEC 62053-22:2020 Amend 0
1d.	Location of testing:	YADAV MEASUREMENTS PRIVATE LIMITED Plot no. F-373-375 RIICO Bhamashah Industrial Area, Kaladwas, Udaipur-Rajasthan-313003, INDIA
2.	Reference: Customer order numb Service Request form numb Date of receipt of the instrume Condition of item on recei	er: 2024-2025/2652/2 nt: December 24, 2024
3.	Test certificate: Date of issu	e: February 11, 2025
	Date of testin	g: From January 04, 2025 To January 06, 2025
4.	Description of equipment under test:	
	Number of sample(s	s): 1
	Nature of sample(s	s): 3 Phase 4 Wire ac Static Energy Meter
	Type/Mode	el: PEA2488
	Meter constan	nt: 16000 Imp/kWh #
	Ur	nit: -
	Serial Number(s	s): 2400000073
	Reference voltage(Vre	f): 240 V LN #
	Basic Current(I	b): 5A
	Rated maximum current(Imax	x): 7.5A
	Reference Frequence	sy: 50 Hz #
	Accuracy clas	ss: 0.2s
	Mak	e: AIWAA SYSTEM
	Year of manufactur	re: 17/12/2024
	Auxiliary supp	240 V#
	Minimum Current(Im	in) 0.005A

Checked by:

Annapurna Shaktawat

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Approved by:







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Certificate Number: YMPL/2024-2025/2652/2/2323

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5. Status :- D = Test done, ND = Test not done, NA = Test not applicable, PD = Test partially done Result :- C=Conform, NC=Non Conform, NA = Not applicable

CIN number: U31909RJ2003PTC018450

DR:- Decision Rule

5.1 Test procedure as per standard:

IEC 62052-11 and IEC 62053-22:2020 Amend 0

Clause Name	S.No.	Test Name	Decision Rule	Status	Result	
TEST OF SAFETY REQUIREMENTS	1	TESTS RELATED TO SAFETY	-	ND	NA	
TESTS OF MECHANICAL REQUIREMENTS	1	SHOCK TEST	-	ND	NA	
	2	VIBRATION TEST	-	ND	NA	
	3	TERMINALS – TERMINAL BLOCK(S)		ND	NA	
TESTS OF GENERAL REQUIREMENTS	1	POWER CONSUMPTION	-	ND	NA	
	2	OPTICAL TEST OUTPUT	-	ND	NA	
	3	ELECTRICAL PULSE OUTPUT	-	ND	NA	
	4	ELECTRICAL PULSE INPUT	-	ND	NA	
	5	METER MARKING: GENERAL INFORMATION	-	ND	NA	
	6	METER MARKING: GENERAL INFORMATION FOR INSTALLATION AND COMMISSIONING	-	ND	NA	
	7	METER MARKING: GENERAL INFORMATION FOR USE	-	ND	NA	
	8	METER MARKING: GENERAL INFORMATION FOR MAINTENANCE	-	ND	NA	
	9	METER MARKING: INFORMATION SPECIFIC FOR METERS	-	ND	NA	
	10	METER MARKING: INFORMATION SPECIFIC FOR STAND-ALONE TARIFF AND LOAD CONTROL EQUIPMENT	_	ND	NA	
TEST OF ACCURACY REQUIREMENTS	1	LIMITS OF ERROR DUE TO VARIATION OF THE CURRENT	DR6	D	С	
	2	METER CONSTANT	DR6	D	С	
	3	INITIAL START-UP OF THE METER	DR3	D	С	
	4	STARTING CURRENT TEST	DR3	D	С	
	5	TEST OF NO-LOAD CONDITION	DR3	D	С	
	6	REPEATABILITY TEST	DR6	D	С	

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CIN number: U31909RJ2003PTC018450 Certificate Number: YMPL/2024-2025/2652/2/2323 ULR-TC659425100006862F

		2211 10000 120 100000021		. ago o	
TESTS FOR ELECTROMAGNETIC COMPATIBILITY (EMC) AND LIMITS OF ERROR DUE TO INFLUENCE QUANTITIES	1	VOLTAGE DIPS AND SHORT INTERRUPTIONS	-	ND	NA
	2	ELECTROSTATIC DISCHARGE IMMUNITY TEST	F)	ND	NA
	3	RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST – TEST WITHOUTCURRENT	- 2	ND	NA
	4	RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD IMMUNITY TEST – TEST WITHCURRENT	= 0	ND	NA
	5	ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST	=	ND	NA
	6	IMMUNITY TO CONDUCTED DISTURBANCES, INDUCED BY RADIO-FREQUENCY FIELDS	-	ND	NA
	7	TEST FOR IMMUNITY TO CONDUCTED, DIFFERENTIAL MODE DISTURBANCES AND SIGNALLING IN THE FREQUENCY RANGE 2 KHZ TO 150 KHZ AT AC POWER PORTS	-	ND	NA
	8	SURGE IMMUNITY TEST	-	ND	NA
Ī	9	RING WAVE IMMUNITY TEST	-	ND	NA
	10	DAMPED OSCILLATORY WAVE IMMUNITY TEST	-	ND	NA
	11	EXTERNAL STATIC MAGNETIC FIELDS	-	ND	NA
	12	POWER FREQUENCY MAGNETIC FIELD IMMUNITY TEST	-	ND	NA
	13	EMISSION REQUIREMENTS	-	ND	NA
	14	LIMITS OF PERCENTAGE ERROR DUE TO INFLUENCE QUANTITIES	* <u>**</u> *	NA	NA

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Certificate Number: TWFL/2024-2025/	2002/2	72323 ULK-1C03942310000002F		rage 4	01 17
TESTS OF IMMUNITY TO OTHER INFLUENCE QUANTITIES	1	HARMONICS IN THE CURRENT AND VOLTAGE CIRCUITS 5TH HARMONIC TEST	-	ND	NA
	2	INTERHARMONICS IN THE CURRENT CIRCUIT – BURST FIRED WAVEFORM TEST	-	ND	NA
	3	ODD HARMONICS IN THE CURRENT CIRCUIT	-	ND	NA
	4	VOLTAGE VARIATION	-	ND	NA
	5	AMBIENT TEMPERATURE VARIATION	-	ND	NA
	6	INTERRUPTION OF PHASE VOLTAGE	-	ND	NA
	7	FREQUENCY VARIATION	-	ND	NA
	8	REVERSED PHASE SEQUENCE	-	ND	NA
	9	AUXILIARY VOLTAGE VARIATION	-	ND	NA
	10	OPERATION OF AUXILIARY DEVICES	<u>=</u> .	ND	NA
	11	SHORT TIME OVERCURRENTS	-	ND	NA
	12	SELF-HEATING	-1	ND	NA
	13	FAST LOAD CURRENT VARIATIONS	=1	ND	NA
	14	EARTH FAULT	_	ND	NA
TEST OF THE EFFECT OF THE CLIMATIC ENVIRONMENTS	1	DRY HEAT TEST	_	ND	NA
	2	COLD TEST	=:	ND	NA
	3	DAMP HEAT, CYCLIC TEST	-	ND	NA
	4	PROTECTION AGAINST SOLAR RADIATION	-	NA	NA
	5	DURABILITY	-	ND	NA
CONSTRUCTION REQUIREMENTS	1	WINDOW	-	ND	NA
	2	SEALING PROVISIONS	-	ND	NA
	3	DISPLAY OF MEASURED VALUES	-	ND	NA
	4	STORAGE OF MEASURED VALUES	-	ND	NA
	5	AUXILIARY POWER SUPPLY	<u> </u>	ND	NA
	6	OPERATION INDICATOR		ND	NA
MARKING AND DOCUMENTATION	1	METER MARKING	-	ND	NA
	2	CONNECTION DIAGRAMS AND TERMINAL MARKING	-	ND	NA
	3	SYMBOLS	-	ND	NA
	4	DOCUMENTATION	-	ND	NA

Checked by: Annapurna Shaktawat

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TEST OF TIME KEEPING ACCURACY	1	TEST OF CRYSTAL-CONTROLLED TIME SWITCHES SUPPLIED BY MAINS	-	ND	NA	
	2	TEST OF CRYSTAL-CONTROLLED TIME SWITCHES ON OPERATION RESERVE	-	ND	NA	
	3	TEST OF TIME-KEEPING ACCURACY OF CRYSTAL-CONTROLLED TIME SWITCHES WITH TEMPERATURE	-	ND	NA	
	4	TEST OF SYNCHRONOUS TIME SWITCHES SUPPLIED BY MAINS	-	ND	NA	
	5	TEST OF SYNCHRONOUS TIME SWITCHES ON OPERATION RESERVE	-	ND	NA	

TEST REPORT

- 6. Notes/Remarks
- 6.1) Remarks (if any):

Yadav Measurements

- a) "#" Information as provided by customer.
- 6.2) Notes:
 - a) This certificate relates only to the particular sample(s) received for testing at YMPL.
 - b) Only the test(s) asked by the customer has been carried out.
 - c) This certificate, in full or in part, shall not be published, advertised, used for any legal action, unless prior permission has been secured.
 - d) Any anomaly/discrepancy in this test report/certificate should be brought to our notice within 45 days from the date of issue.
 - e) Authenticity of this certificate can be verified by sending details of certificate to Yadav .measurements@yadavmeasurements.com
 - f) Wherever referred reference temperature of meter(s) =
 - g) Testing has been done in environmental conditions as specified by the standard (if any). If required by the standard Temperature(°C): 23±2 Relative Humidity(%RH): <75 is maintained.
 - h) Lab is responsible for the information provided in test report except for the information supplied by the customer.
 - i) Wherever referred (critical change) value of X =
 - j) Decision Rule (DR3):

The decision rule applied in the test report for the decision of conform or non-conform is as below;

When consideration of measurement uncertainty (MU) is not inherent in standard / specification of the test then;

Conform- when the measured / applied value is within the acceptance Limit (AL), where AL = TL - w.(TL=tolerance limit)

Non-conform- the measured value is above the acceptance limit, AL= TL - w

where guard band w is such that the probability of correct conformance decision is greater than or equal to 50.0%.

(w=r.Ux where Ux is test setup expanded uncertainty such that TUR is greater than or equal to 2 and r = 0 is a guard band multiplier associated with above probability of correct conformance decision.)

Decision Rule (DR6):

The decision rule applied in the test report for the decision of conform or non-conform is as below;

When consideration of MU is inherent in standard / specification of the test then:

Conform- when the measured value is equal to or within the tolerance limit TL.

Non-conform - the measured value is above the tolerance limit TL.

The probability of correct conformance (or non-conformance) decision is as per the requirement of test mentioned in the standard / specification.

- k) This certificate is issued in accordance with the laboratory accreditation requirements of the National Accreditation Board for testing and calibration laboratories (NABL). This certificate may not be reproduced other than full, except with the prior written approval of the issuing laboratory.
- I) These test/tests are covered under below mention Discipline and Group:

Discipline: Electrical

Group: Electrical indicating & recording instruments

7. Test Results: - The test results are given on next page(s).

Checked by: Annapurna Shaktawat

Himanshu Vyas Approved by:



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Sr. No.	Requirement	as per specification		M	easured Values/Observations	Conclusion
8	TEST OF ACCURACY REQU	IREMENTS				'
8.1	LIMITS OF ERROR DUE TO IEC 62053-22:2020)	VARIATION OF THE	Conform			
					gized under reference	
				The same of the sa	alanced currents.	
		Active energy e		the state of the s		
		Current	CosØ	Allowed % error	2400000073	
		lmax	1.0	±0.2	-0.02	
		lmax	0.5 ind.	±0.3	-0.04	
		lmax	0.8 cap.	±0.3	0.00	
		ln	1.0	±0.2	-0.01	
		ln	0.5 ind.	±0.3	-0.02	
		ln	0.8 cap.	±0.3	-0.01	
		0.1In	1.0	±0.2	-0.02	
		0.1In	0.5 ind.	±0.3	0.13	
		0.1In	0.8 cap.	±0.3	-0.09	
		0.05ln	1.0	±0.2	-0.02	
		0.02ln	0.5 ind.	±0.5	0.15	
		0.02ln	0.8 cap.	±0.5	-0.02	
		lmin	1.0	±0.4	0.07	

Checked by: Annapurna Shaktawat

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Approved by :

Himanshu Vyas

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CIN number: U31909RJ2003PTC018450

Active energy en Current Imax Imax Imax In In	1.0 0.5 ind. 0.8 cap.			s/Observations	Conclusion
Current Imax Imax Imax	1.0 0.5 ind. 0.8 cap.	±0.2 ±0.3 ±0.3	-0.02		
Imax Imax Imax	1.0 0.5 ind. 0.8 cap.	±0.2 ±0.3 ±0.3	-0.02		
lmax Imax In	0.5 ind.	±0.3	-0.05		
lmax	0.8 cap.	±0.3	0.00000000		
In			-0.04		
	1.0	+0.2			1
In		10.2	-0.01		
	0.5 ind.	±0.3	0.00		
- In	0.8 cap.	±0.3	0.00		
0.1ln	1.0	±0.2	-0.02		
0.1ln	0.5 ind.	±0.3	0.02		
0.1ln	0.8 cap.	±0.3	-0.07		
0.05ln	1.0	±0.2	-0.01		
0.02ln	0.5 ind.	±0.5	0.08		
0.02ln	0.8 cap.	±0.5	0.05		
lmin	1.0	±0.4	0.12		
	0.05ln 0.02ln 0.02ln Imin	0.05in 1.0 0.02in 0.5 ind. 0.02in 0.8 cap. Imin 1.0 Unbalance Load Error :- M	0.05In 1.0 ±0.2 0.02In 0.5 ind. ±0.5 0.02In 0.8 cap. ±0.5 Imin 1.0 ±0.4 Unbalance Load Error :- Meter (s) are en	0.05In 1.0 ±0.2 -0.01 0.02In 0.5 ind. ±0.5 0.08 0.02In 0.8 cap. ±0.5 0.05 Imin 1.0 ±0.4 0.12 Unbalance Load Error :- Meter (s) are energized under	0.05ln 1.0 ± 0.2 -0.01 0.02ln 0.5 ind. ± 0.5 0.08 0.02ln 0.8 cap. ± 0.5 0.05

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Sr. No.	Requirement as per	specification		M	easured Values/	Observations	Conclusion
	F	R-phase current a	pplied (In	nport mode)			
	Γ	Current	CosØ	Allowed % error	2400000073		
		Imax	1.0	±0.2	-0.02		
		lmax	0.5 ind.	±0.3	0.15		
		lmax	0.8 cap.	±0.3	-0.14		7.
		In	1.0	±0.2	-0.01		
		In	0.5 ind.	±0.3	0.00		
		In	0.8 cap.	±0.3	-0.02		
		0.1ln	1.0	±0.2	-0.05		
		0.1ln	0.5 ind.	±0.3	-0.02		
		0.1ln	0.8 cap.	±0.3	-0.07		
		0.05ln	1.0	±0.2	-0.06		
	-	0.02ln	0.5 ind.	±0.5	-0.02		
	-	0.02In	0.8 cap.	±0.5	-0.06		
		lmin	1.0	±0.4	-0.12		

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Sr. No.	Requirement as per specification		l M	easured Values/Observation	ons Conclusion			
	Y-phase current	Y-phase current applied (Import mode)						
	Current	CosØ	Allowed % error	2400000073				
	lmax	1.0	±0.2	-0.02				
	lmax	0.5 ind.	±0.3	-0.12				
	Imax	0.8 cap.	±0.3	0.02				
	In	1.0	±0.2	-0.01				
	In	0.5 ind.	±0.3	-0.07				
	In	0.8 cap.	±0.3	0.01				
	0.1ln	1.0	±0.2	0.01				
	0.1ln	0.5 ind.	±0.3	0.02				
	0.1In	0.8 cap.	±0.3	0.00				
	0.05In	1.0	±0.2	0.02				
	0.02In	0.5 ind.	±0.5	0.11				
	0.02In	0.8 cap.	±0.5	0.16				
	lmin	1.0	±0.4	0.33				

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Sr. No.	Requirement a	as per specification		l M	easured Values	/Observations	Conclusion
		B-phase curren					
		Current	CosØ	Allowed % error	2400000073		
		lmax	1.0	±0.2	-0.02		
		lmax	0.5 ind.	±0.3	0.01		
		lmax	0.8 cap.	±0.3	-0.09		
*		ln.	1.0	±0.2	-0.02		
		In	0.5 ind.	±0.3	0.02		
		ln	0.8 cap.	±0.3	-0.03		
		0.1ln	1.0	±0.2	-0.03		
		0.1ln	0.5 ind.	±0.3	0.01		
		0.1In	0.8 cap.	±0.3	-0.05		
		0.05ln	1.0	±0.2	-0.03		
		0.02ln	0.5 ind.	±0.5	0.05		
		0.02ln	0.8 cap.	±0.5	-0.02		
		lmin	1.0	±0.4	0.05		

Checked by: Annapurna Shaktawat

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Sr. No.	Requirement as	per specification		M	easured Values/Observations	Conclusion
		R-phase current	applied (E	xport mode)		
		Current	CosØ	Allowed % error	2400000073	
		lmax	1.0	±0.2	-0.03	
		lmax	0.5 ind.	±0.3	-0.05	
		lmax	0.8 cap.	±0.3	-0.06	
		In	1.0	±0.2	-0.02	
		In	0.5 ind.	±0.3	-0.01	
		In	0.8 cap.	±0.3	-0.03	
		0.1In	1.0	±0.2	-0.04	
		0.1In	0.5 ind.	±0.3	0.21	
		0.1In	0.8 cap.	±0.3	-0.15	
		0.05ln	1.0	±0.2	-0.04	
		0.02ln	0.5 ind.	±0.5	0.21	
		0.02ln	0.8 cap.	±0.5	-0.10	
		Imin	1.0	±0.4	-0.06	

Checked by: Annapurna Shaktawat

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Approved by :





TEST REPORT

Issued by:

YADAV MEASUREMENTS PRIVATE LIMITED

Plot no. F-373-375 RIICO Bhamashah Industrial Area, Kaladwas ,Udaipur-Rajasthan-313003, INDIA Tel: 0091-294-2650127,28, Fax: 0091-294-2650129 Email:Yadav.measurements@yadavmeasurements.com website: www.yadavmeasurements.com







CIN number: U31909RJ2003PTC018450 Certificate Number: YMPL/2024-2025/2652/2/2323

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Certificate Nu	mber: YMPL/2024-202	5/2652/2/2323		ULR-TC6594	125100006862F	Page 14 of 17
Sr. No.	Requirement a	s per specification		M	leasured Values/Observa	tions Conclusio
		Y-phase current	applied (E	xport mode)		
		Current	CosØ	Allowed % error	240000073	
		Imax	1.0	±0.2	-0.02	
		lmax	0.5 ind.	±0.3	-0.12	
		lmax	0.8 cap.	±0.3	0.02	
		In	1.0	±0.2	-0.01	
		In	0.5 ind.	±0.3	-0.06	
		In	0.8 cap.	±0.3	0.01	
		0.1In	1.0	±0.2	0.01	
		0.1ln	0.5 ind.	±0.3	0.07	
		0.1ln	0.8 cap.	±0.3	-0.02	
		0.05ln	1.0	±0.2	0.03	
		0.02ln	0.5 ind.	±0.5	0.19	
		0.02ln	0.8 cap.	±0.5	0.19	
		Imin	1.0	±0.4	0.10	

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Yadav Measurements

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TEST REPORT





TC-6594

Certificate Number: YMPL/2024-2025/2652/2/2323	Certificate Number: YMPI	_/2024-2025/2652/2/2323	ULR-TC659425100006862F	Page 15 of
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Sr. No.	Requirement as per specification			Measured Values/Observations		/Observations	Conclusion
		B-phase curren	t applied (E	kport mode)			
		Current	CosØ	Allowed % error	2400000073		
Sr. No.		lmax	1.0	±0.2	-0.03		
	2,200	lmax	0.5 ind.	±0.3	-0.01		
				1/10/20			
	13	lmax	0.8 cap.	±0.3	-0.04		
		In	1.0	±0.2	-0.02		
	at 1	In	0.5 ind.	±0.3	0.02		
		In	0.8 cap.	±0.3	-0.03		
		0.1ln	1.0	±0.2	-0.04		
		0.1ln	0.5 ind.	±0.3	0.00		
		0.1In	0.8 cap.	±0.3	-0.06		
		0.05ln	1.0	±0.2	-0.04		
		0.02ln	0.5 ind.	±0.5	-0.04		
		0.02ln	0.8 cap.	±0.5	-0.05		
		lmin	1.0	±0.4	0.01		
8.2	METER CONSTANT (Clause No7.4 of IEC 62052-11:2020 and IEC 62053-22:2020)						
	The relationship between the test on the indicating display, if preseregister content read through the shall comply with the value of the	nt, and/or the mete communications i	er energy	Satisfacto (For active			
	The difference between the value determined (or calculated) from the test output and the value on the indicating display, or the register content read via data communications port shall not exceed ±1/10th of the intrinsic error limit for the relevant accuracy class.				The difference between the value determined (or calculated) from the test output and the value on the indicating display is 0.01% which is not exceeded ±1/10th of the intrinsic error limit.		
	The manufacturer documentation and the test report shall state the number of pulses required to verify this requirement. Conformity shall be checked by measuring a sufficient amount of energy, observing the test output and reading the display.						
3.3	INITIAL START-UP OF THE ME	TER (Clause No	7.5 of IEC 6	2052-11:2020	and IEC 62053-	22:2020)	Conform

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Himanshu Vyas

TEST REPORT

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CIN number: U31909RJ2003PTC018450

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C-6594

Certificate Number: YMPL/2024-2025/2652/2/2323

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Certifi	cate Number: YMPL/2024-2025/2652/2/2323	024-2025/2652/2/2323 ULR-TC659425100006862F			
Sr. No.	Requirement as per specification	Measured Values/Observations	Conclusion		
	The meter shall start to register energy after the start time specified by the manufacturer. Generally, the statime of the meter shall be not more than 10 s, except multi-function meters.	art-up 4sec which is less than the startup time			
	In the case of multi-function meters with a real-time operating system and complex embedded firmware, the case of meters with SCS that open during power and close again once the meter is energized, 10 s mabe achievable or economically justifiable. In such cas manufacturer and the purchaser may agree on a larg for start—up time. If the meter is rated for more than one nominal voltage lowest nominal voltage shall be used.	down ay not ses, the ser value	Conform		
8.4	STARTING CURRENT TEST (Clause No7.7 of IEC	62052-11:2020 and 4.2.2 of IEC 62053-22:2020)			
	The lowest specified nominal voltage of the meter sh used. The meter shall start and continue to run at 0.001In a UPF for transformer operated meters. If the meter is designed for the measurement of ener both directions, then the starting current test shall be applied with energy flowing in each direction.	Meter started and continued to record energy at 0.001In and UPF for both import and export active energy.			
8.5	TEST OF NO-LOAD CONDITION (Clause No7.6 of IEC 62052-11:2020 and IEC 62053-22:2020)				
	When the voltage is applied to the voltage circuits an present, to the auxiliary power supply circuit, with no current flowing in the current circuits, the test output meter shall not produce more than one pulse. For this test, the SCS if fitted, shall be closed, the curricuit shall be open-circuit and a voltage of 1,1 Un (of the nominal voltage, i.e. the maximum specified opvoltage) shall be applied to the mains port. For meter for multiple nominal voltages, the highest rated nominal voltages, the highest rated nominal voltages.	of the The meter did not produce any test output pulse. rrent 110 % perating rs rated			
	voltage shall be used. The minimum test period shall be Δt >=(240 ×10^3)/(× Utest × Istart) minutes.	(k × m	Conform		
8.6	REPEATABILITY TEST (Clause No7.8 of IEC 62052-11:2020 and IEC 62053-22:2020)				
	The lowest specified nominal voltage of the meter shall be used. The repeatability shall be less than, or equal to 1/5th of the absolute intrinsic error limit for the relevant accuracy class. At least three measurements shall be done at each of the	NREME			

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Approved by :

Himanshu Vvas

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Yadav Measurements

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Sr. No.	Requirement as	s per specification		M	leasured Values/Observations	Conclusion
	test points, at the same test	Repeatability te	st	_		
	conditions and in close	% Error variatio	n(Import ac	tive error)		
	succession, after the meter under test has achieved thermal stability	Current	cosØ	% error limits	2400000073	
		lmax	1.0	± 0.04	0.00	
		Imax	0.5 ind.	± 0.06	0.02	
		Imax	0.8 cap.	± 0.06	0.01	
		In	1.0	± 0.04	0.02	
		ln .	0.5 ind.	± 0.06	0.01	
		In	0.8 cap.	± 0.06	0.02	
		0.05ln	1.0	± 0.04	0.00	
		0.05ln	0.5 ind.	± 0.1	0.00	
		0.05ln	0.8 cap.	± 0.1	0.00	
		lmin	1.0	± 0.08	0.00	

*** End of Report ***

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