National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MEASUREMATIC INDIA, NO. 9, 14TH CROSS STREET, MAHARAJA NAGAR, PALAYAMKOTTAI, TIRUNELVELI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8483 **Page No** 1 of 4

Validity 10/05/2023 to 09/05/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (1 phase / 3 phase) Meters class 0.2s,0.5s,1.0	Limits of Error	IS 13779, Clause 11.1
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (1 phase/ 3 phase) Meters class 0.2s,0.5s,1.0	Limits of Error	IEC 62053-22, Clause 7.9
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	15-Minute Block Average Frequency Measurement Test	CBIP No: 325, Clause 6.9(C) (i)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IEC 62053-22, Clause 7.4
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IS 13779, Clause12.15
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IS 14697, Clause 12.14
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 13779, Clause 12.13
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No load Condition	IEC 62053-22, Clause 7.6
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 14697,Clause 12.12
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Reactive Energy Registration Verification Test during voltage high (V>103%) & voltage low (V	CBIP No: 325,Clause 6.9(C) (iv&v)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IEC 62053-22, Clause 7.7
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 13779, Clause 12.14
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 14697, Clause 12.13
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watthour meters (1 phase/ 3 phase) class 0.2s,0.5s,1.0	Limits of Error	IS 14697, Clause 11.1
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Terminal Markings	IS 16227 (Part 4), IEC 61869-4 (Cl 6.13.401)
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Test for Accuracy	IS 16227 (Part 4), IEC 61869-4 (Cl.7.2.6.401 & 402)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer	Test for Accuracy	IS 16227(Part 2), IEC 61869-2 (Cl 7.2.6.201)
18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformers	Terminal Markings	IS 16227 (Part 2), IEC 61869-2 (Cl 6.13.201)
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer (Single Phase & Three Phase)	Test for Accuracy	IS 16227 (Part 3), IEC 61869-3(Cl 7.2.6.301)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers (Single Phase & Three Phase)	Terminal Markings	IS 16227 (Part 3), IEC 61869-3 (Cl 6.13.301)

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Site Facility				
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2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (1 phase/ 3 phase) Meters class 0.2s,0.5s,1.0	Limits of Error	IEC 62053-22, Clause 7.9
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	15-Minute Block Average Frequency Measurement Test	CBIP No: 325, Clause 6.9(C) (i)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IEC 62053-22, Clause 7.4
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7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 13779, Clause 12.13
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No load Condition	IEC 62053-22, Clause 7.6
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12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 13779, Clause 12.14
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 14697, Clause 12.13
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watthour meters (1 phase/ 3 phase) class 0.2s,0.5s,1.0	Limits of Error	IS 14697, Clause 11.1
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Terminal Markings	IS 16227 (Part 4), IEC 61869-4 (Cl 6.13.401)
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Combined Transformer	Test for Accuracy	IS 16227 (Part 4), IEC 61869-4 (Cl.7.2.6.401 & 402)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer	Test for Accuracy	IS 16227(Part 2), IEC 61869-2 (Cl 7.2.6.201)
18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformers	Terminal Markings	IS 16227 (Part 2), IEC 61869-2 (Cl 6.13.201)
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformer (Single Phase & Three Phase)	Test for Accuracy	IS 16227 (Part 3), IEC 61869-3(Cl 7.2.6.301)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Voltage transformers (Single Phase & Three Phase)	Terminal Markings	IS 16227 (Part 3), IEC 61869-3 (Cl 6.13.301)