



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



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 / 6

Validity 04/05/2019 to 03/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Limits of Error	IS 13779(RA 2014) Amd 5 Clause 11.1: 1999	40V to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
2	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IS 13779 (RA 2014) Amd 5 Clause 12.15: 1999	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
3	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 8.4: 2003	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
4	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IS 14697 (RA 2014) Clause 12.14 Amd 4: 1999	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
5	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 14697 (RA 2014) Clause 12.12 Amd 4: 1999	40 V to 300 V
6	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 13779 (RA 2014) Amd 5 Clause 12.13: 1999	40 V to 300 V



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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	IEC 62053-22 Clause 8.3.2: 2003	40 V to 300 V
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 14697 (RA 2014) Amd 4 Clause 12.13: 1999	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Starting Current	IS 13779 (RA 2014) Amd 5 Clause 12.14: 1999	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
10	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 8.3.3: 2003	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Voltage Variation	CBIP No.304 Clause 6.1(C) (iv & v): 2008	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static watthour meters (3 phase) class 0.2s,0.5s,1.0	Limits of Error	IS 14697 (RA 2014) clause 11.1 Amd.4: 1999	40V to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
13	ELECTRICAL-INDUCTORS & TRANSFORMERS	Combined Transformer	Terminal Markings	IS 16227 (Part 4):2015, IEC 61869-4 (CI 6.13.401): 2013	Qualitative
14	ELECTRICAL-INDUCTORS & TRANSFORMERS	Combined Transformer	Test for Accuracy	IS 16227 (Part 4):2015, IEC 61869-4 (CI.7.2.6.401 & 402): 2013	1A-2000A Primary 5A Secondary 6.6kV to 33kV 6.6kV/v3 to 33kV/v3 (Primary)63.5V/110V (Secondary)
15	ELECTRICAL-INDUCTORS & TRANSFORMERS	Current Transformer	Test for Accuracy	IS 16227 (PART 2): 2016, IEC 61869 - 2 (CI 7.2.6.201): 2012	1A-2000A Primary 5A Secondary
16	ELECTRICAL-INDUCTORS & TRANSFORMERS	Current transformers	Terminal Markings	IS 16227 (Part 2):2016, IEC 61869-2 (CI 6.13.201): 2012	Qualitative
17	ELECTRICAL-INDUCTORS & TRANSFORMERS	Voltage transformer (Single Phase & ThreePhase)	Test for Accuracy	IS 16227 (Part 3):2015, IEC 61869-3(CI 7.2.6.301): 2011	6.6kV to 33kV6.6kV/v3 to 33kV/v3(Primary) 63.5V/110V(Secondary)
18	ELECTRICAL-INDUCTORS & TRANSFORMERS	Voltage transformers (Single Phase & Three Phase)	Terminal Markings	IS 16227 (Part 3):2015, IEC 61869-3 (CI 6.13.301): 2011	Qualitative



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Site Facility					
1	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Limits of Error	IS 13779(RA 2014) Amd 5 Clause 11.1: 1999	40V to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
2	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	Meter Constant	IS 13779 (RA 2014) Amd 5 Clause 12.15: 1999	40v to 300V10mA to 100A45Hz to 55Hz+1 to -1 PF
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5	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour (3 phase) Meters class 0.2s,0.5s,1.0	No Load Condition	IS 14697 (RA 2014) Clause 12.12 Amd 4: 1999	40 V to 300 V
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