



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

MEASUREMATIC INDIA, 9, 14TH CROSS STREET, MAHARAJA NAGAR,  
TIRUNELVELI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

CC-2211

**Page No**

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**Validity**

14/05/2021 to 13/05/2023

**Last Amended on**

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3phase 3Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 10A	Using MTE Test Bench with PRS 400.3 Ref.Power / Energy Standard by comparison Method.(For Class 0.5s IS 14697:1999 Reaffirmed 2019 Clause 11.1)	0.2 Wh/Varh to 5.2 kWh/kVarh	0.05%
2	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3phase 4Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 10A	Using MTE Test Bench with PRS 400.3 Ref.Power / Energy Standard by comparison Method.(For Class 0.2s & 0.5s IS 14697:1999 Reaffirmed 2019 Clause 11.1)	0.2 Wh/Varh to 9 kWh/kVarh	0.05 %
3	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3Phase 4Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 100A	Using MTE Test Bench with PRS 400.3 Ref.Power / Energy Standard by comparison Method.(For Class 1 IS 13779:1999 Reaffirmed 2020 Clause 11.1)	0.2 Wh/Varh to 90 kWh/kVarh	0.05%



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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3 phase 3Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 10A	Using source with Applied Precision Model PTE 2300E by comparison Method (For Class 0.5s IS 14697:1999 Reaffirmed 2019 Clause 11.1)	0.2 Wh/Varh to 5.2 kWh/KVarh	0.05%
2	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3Phase 4Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 10A	Using source with Applied Precision Model PTE 2300E by comparison Method (For Class 0.2s & 0.5s IS 14697:1999 Reaffirmed 2019 Clause 11.1)	0.2 Wh/Varh to 9 kWh/kVarh	0.05%
3	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	AC Energy Meter 3phase 4Wire (Active & Reactive) PF Lead/Lag(0.5 PF to 1) @ 45 to 55 Hz, 40 to 300 V / 10 mA to 100A	Using source with Applied Precision Model PTE 2300E by comparison Method.(For Class 1 IS 13779:1999 Reaffirmed 2020 Clause 11.1)	0.2 wh/Varh to 90 kWh/kVarh	0.05%

\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.