



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name METER TESTING LABORATORY - TMR SHORANUR, TMR DIVISION, KSEB, KALLIPPADOM, SHORANUR, PALAKKAD, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8535 Page No. : 1 / 2

Validity 13/06/2019 to 12/06/2021 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 Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Limits of Error due to Variation of the Current (Active Energy)	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	10 W-h to 50 kW-h
2	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Limits of Error due to Variation of the Current (Reactive Energy)	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	10 VAR-h to 50 kVAR-h
3	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Repeatability of Error Test	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	10 W-h to 50 kW-h
4	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Test of Meter constant/Registration (Active Energy)	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	10 W-h to 50 kW-h
5	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Test of Meter Constant/Registration (Reactive Energy)	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	10 VAR-h to 50 kVAR-h
6	ELECTRICAL-ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Test of No Load Condition	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	Qualitative(Range: 10 V to 300 V AC)



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7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watt-hour and Var-hour Meters Class 0.2S and 0.5S	Test of Starting Condition	IS 14697: 1999 RA: 2009 upto Amendment No. 4 December: 2014	Qualitative(Range: 1 mA to 50 mA)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 and 2	Limits of Error due to Variation of the Current	IS 13779: 1999 RA: 2009 upto Amendment No. 5 March: 2015	140 W-h to 50 kW-h
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 and 2	Repeatability of Error Test	IS 13779: 1999 RA: 2009 upto Amendment No. 5 March: 2015	140 W-h to 50 kW-h
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 and 2	Test of Meter Constant/Registration	IS 13779: 1999 RA: 2009 upto Amendment No. 5 March: 2015	140 W-h to 50 kW-h
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watt-hour Meters Class 1 and 2	Test of Starting Condition	IS 13779: 1999 RA: 2009 upto Amendment No. 5 March: 2015	Qualitative(Range: 1 mA to 50 mA)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters Class 1 and 2	Test of No Load condition	IS 13779: 1999 RA: 2009 upto Amendment No. 5 March: 2015	Qualitative(Range: 10 V to 300 V AC)