National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MAXWELL INDIA, F-946 (D), ROAD NO.-14, VISHWAKARMA INDUSTRIAL AREA, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9019 **Page No** 1 of 2

Validity 28/10/2022 to 27/10/2024 **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 CT Operated Watthour and VAR- our Meters: (Accuracy Class : 0.5s) - 3 phase 4 wire Voltage Rating: 3x240V AC (p-n), Current Rating : 5A -10A, 0- ag-Unity-Lead-0 (Active &Reactive Energy)	Test of Meter Constant (80V to 300V AC, 5mA to 10A, PF 0.4 lag to unity to 0.9 lead)	IS 14697 (Clause 12.14)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC CT Operated Watthour and VAR- our Meters: (Accuracy Class : 0.5s) - 3 phase 4 wire Voltage Rating: 3x240V AC (p-n), Current Rating : 5A -10A, 0- ag-Unity-Lead-0 (Active &Reactive Energy)	Test of Repeatability of Error (80V to 300V AC, 5mA to 10A, PF 0.4 lag to unity to 0.9 lead)	IS 14697 (Clause 12.16)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC CT Operated Watthour and VAR- our Meters: (Accuracy Class: 0.5s) - 3 phase 4 wire Voltage Rating: 3x240V AC (p-n), Current Rating: 5A -10A, 0- ag-Unity-Lead-0 (Active &Reactive Energy)	Test on Limits of Error Due to Variation of Current (80V to 300V AC, 5mA to 10A, PF 0.4 lag to unity to 0.9 lead)	IS 14697 (Clause 11.1)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC CT Operated Watthour and VAR-Hour Meters: (Accuracy Class: 0.5s) - 3 phase 4 wire Voltage Rating: 3x240V AC (p-n), Current Rating: 5A -10A, 0-Lag-Unity-Lead-0 (Active &Reactive Energy)	AC High Voltage Test	IS 14697 (Clause 12.7.6.3)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Insulation Test (500V DC)	IS 14697 (Clause 12.7.6.4)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Test of No-load Condition (0 to 1 pulses)	IS 14697 (Clause 12.12)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Test of Power Consumption Current circuit -VA (80V to 300V AC, 2A to 10A, PF Unity)	IS 14697 (Clause 9.1.1, 12.7.1)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Test of Power Consumption Voltage circuit -VA (80V to 300V AC, 1mA to 60mA)	IS 14697 (Clause 9.1.1, 12.7.1)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Test of Power Consumption Voltage circuit -Watt (80V to 300V AC)	IS 14697 (Clause 9.1.1, 12.7.1)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Transformer Operated Watthour and VAR-Hour Meters	Test of Starting Condition (Duration between 2 pulses in sec.) (80V to 300V AC PF Unity, 4mA to 10mA)	IS 14697 (Clause 12.13)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase	Test of No-load Condition (0 to 1 pulses)	IS 13779 Clause 12.13
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase	Test of Power Consumption Current circuit -VA (80V to 300V AC, 2mA to 30A, PF Unity)	IS 13779 Clause 9.1.2, 12.7.1
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase	Test of Power Consumption Voltage circuit -VA (80V to 300V AC, 1mA to 60mA)	IS 13779 Clause 9.1.1, 12.7.1
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase	Test of Power Consumption Voltage circuit -Watt (80V to 300V AC)	IS 13779 Clause 9.1.1, 12.7.1
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase	Test of Repeatability of Error (80V to 300V AC, 5mA to 100A, PF 0.4 lag to unity to 0.9 lead)	IS 13779 Clause 12.17
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase (Accuracy Class 1) Voltage Rating:1x240V AC (p-n) & 3x240V AC (p-n) Current Rating : SP 2.5A -60A & TP 5A-100A, 5A-10A CT Operated, 0-Lag-Unity-Lead-0 (Active & Reactive Energy)	Test of Meter Constant (80V to 300V AC, 5mA to 100A, PF 0.4 lag to unity to 0.9 lead)	IS 13779 Clause 12.15
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase (Accuracy Class 1) Voltage Rating:1x240V AC (p-n) & 3x240V AC (p-n) Current Rating : SP 2.5A -60A & TP 5A-100A, 5A-10A CT Operated, 0-Lag-Unity-Lead-0 (Active & Reactive Energy)	Test of Starting Condition (Duration between 2 pulses in sec.) (80V to 300V AC, PF Unity, 5mA to 100mA)	IS 13779 Clause 12.14
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase (Accuracy Class 1) Voltage Rating:1x240V AC (p-n) & 3x240V AC (p-n) Current Rating : SP 2.5A -60A & TP 5A-100A, 5A-10A CT Operated, 0-Lag-Unity-Lead-0 (Active & Reactive Energy)	Test on Limits of Error Due to Variation of Current (80V to 300V AC, 5mA to 100A, PF 0.4 lag to unity to 0.9 lead)	IS 13779 Clause 11.1
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase & Three Phase (Accuracy Class 1) Voltage Rating:1x240V AC (p-n) & 3x240V AC (p-n) Current Rating: SP 2.5A -60A & TP 5A-100A, 5A-10A CT Operated, 0-Lag-Unity-Lead-0 (Active & Reactive Energy)	AC High Voltage Test	IS 13779 Clause 12.7.6.3
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC Static Watthour Meters: Single Phase& Three Phase	Insulation Test (500V DC)	IS 13779 Clause 12.7.6.4