National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : Q.A. LAB, AVON METERS PVT. LTD., D-15-16-17, INDUSTRIAL FOCAL POINT, DERA BASSI, S.A.S NAGAR, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5696 **Page No** 1 of 3

Validity 24/04/2022 to 23/04/2024 **Last Amended on** 06/05/2022

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	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	AC High Voltage test	Cl. No. 6.10.6 of IS: 16444
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Insulation test	Cl. No. 6.10.6 of IS: 16444
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of limits of Error	Cl. No. 6.12 of IS: 16444
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Meter Constant	Cl. No. 6.12 of IS: 16444
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of No Load Condition	Cl. No. 6.12 of IS: 16444
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Power Consumption	Cl. No. 6.10.1 of IS: 16444
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Repeatability of Error	Cl. No. 6.12 of IS: 16444
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	A.C. Static Direct Connected Watthour Smart Meter Class 1 and 2	Test of Starting Condition	Cl. No. 6.12 of IS: 16444
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	AC High Voltage Test	IS: 14697(Cl. No. 12.7.6.3)
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Insulation Test	IS: 14697 (Cl. No. 12.7.6.4)

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of Limits of Error	IS: 14697 (Cl. No. 11.1)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of Meter Constant	IS: 14697 (Cl. No. 12.14)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of no load condition	IS: 14697(Cl. No. 12.12)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of Power Consumption	IS: 14697 (Cl. No. 12.7.1)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of Repeatability of Error	IS: 14697 (Cl. No. 12.16)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC TRANSFORMER OPERATED WATTHOUR AND VAR-HOUR METER , CLASS 0.2S AND 0.5S	Test of Starting Condition	IS: 14697 (Cl. No. 12.13)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	AC High Voltage Test	IS: 13779 (Cl. No. 12.7.6.3)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Insulation Test	IS:13779 (Cl. No. 12.7.6.4)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test Of Limits Of Error	IS:13779(Cl. No. 11.1)
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test Of Meter Constant	IS :13779 (Cl. No. 12.15)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test Of No Load Condition	IS 13779(Cl. No. 12.13)

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test of Power Consumption	IS: 13779 (Cl. No. 12.7.1)
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test Of Repeatability Of Error	IS 13779 (Cl. No. 12.17)
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC STATIC WATT-HOUR METERS CLASS 1.0 & 2.0	Test Of Starting Condition	IS 13779(Cl. No. 12.14)
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	AC High Voltage test	Cl. No. 6.10.6 of IS: 16444 (Part-2)
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Insulation Test	Cl. No. 6.10.6 of IS: 16444 (Part-2)
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of limits of Error	Cl. No. 6.12 of IS: 16444 (Part-2)
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of Meter Constant	Cl. No. 6.12 of IS: 16444 (Part-2)
29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of No Load condition	Cl. No. 6.12 of IS: 16444 (Part-2)
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of Power Consumption	Cl. No. 6.10.1 of IS: 16444 (Part-2)
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of Repeatability of Error	Cl. No. 6.12 of IS: 16444 (Part-2)
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC. Static Transformer Operated Watthour & VAR-Hour Smart Meter Class 0.2s and 0.5s & 1.0s	Test of Starting Condition	Cl. No. 6.12 of IS: 16444 (Part-2)