National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HI-TECH METER LABORATORY, UGVCL, SABARMATI, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5914 **Page No** 1 of 5

Validity 02/07/2022 to 01/07/2024 **Last Amended on** 16/07/2022

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	AC ENERGY METER (Class 1.0 & 2.0)	Insulation Resistance	IS 16444 (Part 1)
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s,0.5s & 1.0s)	Insulation Resistance	IS 16444 (Part 2)
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s,0.5s & 1.0s)	Limits of Errors	IS 16444 (Part 2)
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s,0.5s & 1.0s)	Repeatability of Error	IS 16444 (Part 2)
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s,0.5s & 1.0s)	Test of Influence quantities:•Voltage Variation•Frequency Variation•Reverse Phase Sequence•Voltage Unbalance•Influence of Harmonics in Voltage and Current Circuit	IS 16444 (Part 2)
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	Initial Start up of energy meters	IS 16444 (Part 2)
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	Meter Constant	IS 16444 (Part 2)
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	No Load Condition	IS 16444 (Part 2)
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	Power Consumption in Current Circuit	IS 16444 (Part 2)

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10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	Power Consumption in Voltage Circuit	IS 16444 (Part 2)
11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 0.2s, 0.5s & 1.0s)	Starting Conditions	IS 16444 (Part 2)
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Initial Start up of energy meters	IS 16444 (Part 1)
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Limits of Errors	IS 16444 (Part 1)
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Meter Constant	IS 16444 (Part 1)
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	No Load Condition	IS 16444 (Part 1)
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Power Consumption in Current Circuit	IS 16444 (Part 1)
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Power Consumption in Voltage Circuit	IS 16444 (Part 1)
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Repeatability of Error	IS 16444 (Part 1)
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Starting Conditions	IS 16444 (Part 1)

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20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER(Class 1.0 & 2.0)	Test of Influence quantities:•Voltage Variation•Frequency Variation•Reverse Phase Sequence•Voltage Unbalance•Influence of Harmonics in Voltage and Current Circuit	IS 16444 (Part 1)
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0)	No Load Condition	IS 14697
22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Limits of Errors	IS 14697
23	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Meter Constant	IS 14697
24	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Power Consumption in Voltage Circuit	IS 14697
25	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Repeatability of Errors	IS 14697
26	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Starting Conditions	IS 14697
27	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Test of Influence quantities: • Voltage Variation • Frequency Variation • Reverse Phase Sequence • Voltage Unbalance • Influence of Harmonics in Voltage and Current Circuit	IS 14697
28	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s,0.5s & 1.0s)	Initial Start up of energy meters	IS 14697

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29	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s,0.5s & 1.0s)	Insulation Resistance	IS 14697
30	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1 & 2)	Power Consumption in Current Circuit	IS 13779
31	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Insulation Resistance	IS 13779
32	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Limits of Errors	IS 13779
33	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Meter Constant	IS 13779
34	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	No Load Condition	IS 13779
35	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Power Consumption in Voltage Circuit	IS 13779
36	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Repeatability of erros	IS 13779
37	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 1.0 & 2.0)	Test of Influence quantities: • Voltage Variation • Frequency Variation • Reverse Phase Sequence • Voltage Unbalance • Influence of Harmonics in Voltage and Current Circuit	IS 13779
38	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class: 1.0 & 2.0)	Initial Start up of energy meters	IS 13779

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39	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class: 1.0 & 2.0)	Starting Conditions	IS 13779
40	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	AC ENERGY METER (Class 0.2s, 0.5s & 1.0s)	Power Consumption in Current Circuit	IS 14697