National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : XIOTA TESTING LABORATORY, B24, ITI INDUSTRIAL AREA, 3 CROSS, MAHADEVAPURA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10239 **Page No** 1 of 3

Validity 18/01/2022 to 17/01/2024 **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	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Insulation Resistance / Insulation Test	IS 16444 Part 1 and Part 2
2	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Test of Power consumption/ Power loss test	IS 16444 Part 1 and Part 2
3	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Test of Power consumption/ Power loss test	IS 16444 Part 1 and Part 2
4	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Waveform: 10% of 3rd Harmonics in current	IS 16444 part 1 and part 2
5	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	AC high voltage test	IS 16444 Part 1 and Part 2
6	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Access and data read test	IS 16444 part 1 and part 2
7	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Immunity to Earth / Phase fault	IS 16444 part 1 and part 2
8	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Influence of Supply voltage	IS 16444 part 1 and part 2
9	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors / Test of influence quantities : Frequency variation	IS 16444 part 1 and part 2
10	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors / Test of influence quantities : Frequency variation	IS 16444 part 1 and part 2

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11	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors / Test of influence quantities : Voltage variation	IS 16444 part 1 and part 2
12	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors / Test of influence quantities : Voltage variation	IS 16444 part 1 and part 2
13	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors due to variation of current/ Limits of Error Test	IS 16444 part 1 and part 2
14	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Limits of errors due to variation of current/ Limits of Error Test	IS 16444 part 1 and part 2
15	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Remote Disconnect/ Connect	IS 16444 part 1 and part 2
16	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Repeatability of error test	IS 16444 part 1 and part 2
17	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Repeatability of error test	IS 16444 part 1 and part 2
18	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Reversed phase sequence	IS 16444 part 1 and part 2
19	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Running with no load/ Test of no-load condition	IS 16444 Part 1 and Part 2
20	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Starting Conditions	IS 16444 part 1 and part 2
21	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Test of Meter Constant	IS 16444 Part 1 and Part 2

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22	ELECTRICAL- ELECTRICAL INDICATING & RECORDING INSTRUMENTS	Single phase and Three phase a.c static Watthour and VAR hour meters of class 1.0 and class 0.5 accuracy	Voltage Unbalance	IS 16444 part 1 and part 2