

Laboratory	Meter Testing & Calibration Laboratory, The Tata Power Company Limited, Dharavi Receiving Station, Matunga, Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	24.10.2014
Certificate Number	T-3164	Valid Until	23.10.2016
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. MEASURING INSTRUMENTS				
1.	AC Static Watthour Meters, Class 1 and Class 2	Test of Limits of Error	Clause No. 11.11 of IS 13779 : 1999 with amendment No.4 Clause No. 11.1 of IS 14697 : 1999 with amendment No.3	30 V to 300 V 10 mA to 120 A 0.2 Lag to 1 to 0.2 Lead 47.5 Hz t to 52.5 Hz 0.3 W to 36 kW
2.	AC Static Transformer Operated Watthour and Var-Hour Meters, Class 0.2 S, 0.5 S and 1.0 S	Test of Starting Condition	Clause No. 12.14 of IS 13779 : 1999 with amendment No.4 Clause No. 12.13 of IS 14697 : 1999 with amendment No.3	30 V to 300 V 1 mA to 120 A 50 Hz
		Test of No-Load Condition	Clause No. 12.13 of IS 13779 : 1999 with amendment No.4 Clause No. 12.12 of IS 14697 : 1999 with amendment No.3	30 V to 300 V 50 Hz
		Test of Repeatability of Error	Clause No. 12.17 of IS 13779 : 1999 with amendment No.4 Clause No. 12.16 of IS 14697 : 1999 with amendment No.3	30 V to 300 V 10 mA to 120A 0.2 Lag to 1 to 0.2 Lead 47.5 Hz to 52.5 Hz 0.3 W to 36 kW
		Test for Power Consumption	Clause No. 12.7.1 of IS 13779 : 1999 with amendment No.4 Clause No. 12.7.1 of IS 14697 : 1999 with amendment No.3	0.15 VA to 10 VA

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	AC Static Transformer Operated Watthour and Var-Hour Meters, Class 0.2 S, 0.5 S and 1.0 S	Test of Meter Constant	Clause No. 12.15 of IS 13779 : 1999 with amendment No.4 Clause No. 12.14 of IS 14697 : 1999 with amendment No.3	30 V to 300 V 10 mA to 120 A 0.2 Lag to 1 to 0.2 Lead 50 Hz 0.3 kW to 24 kW
		Test of Insulation Resistance	Clause No. 12.7.6.4 of IS 13779 : 1999 with amendment No.4 Clause No. 12.7.6.4 of IS 14697 : 1999 with amendment No.3	Test Voltage : 500 V DC Insulation Resistance : 999 MΩ

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