

Laboratory

Q.A. Lab, Modern Transformers Pvt. Ltd., D-97, Bulandshahar Road
Industrial Area, Ghaziabad, Uttar Pradesh

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5443

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Validity 03.06.2019 to 29.02.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRICAL TESTING

I.	MEASURING INSTRUMENTS- ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS			
1.	AC Static Watt-hour Meters	No load Conditions	IS 13779 Amd-5 Cl. No. 12.13	60 V to 300 V
		Starting Conditions	IS 13779 Amd-5 Cl. No. 12.14	20 mA to 1 A 1 s to 600 s
		Limits of Error	IS 13779 Amd-5 Cl. No. 11.1	60 V to 300 V 10 mA to 100 A P.F- 0.1 lag to unity to 0.1 lead
		Meter Constant	IS 13779 Amd-5 Cl. No. 12.15	2 V to 300 V 20 mA to 100 A P.F- 0.1 lag to unity to 0.1 lead
		Repeatability of Error	IS 13779 Amd-5 Cl. No. 12.17	60 V to 300 V 10 mA to 100 A P.F- 0.1 lag to unity to 0.1 lead
		Power consumption	IS 13779 Amd-5 Cl. No. 12.7.1	0.1 W to 10 W 0.1 VA to 50 VA
		Insulation Resistance	IS 13779 Amd-5 Cl. No. 12.7.6.4	1 MΩ to 1000 MΩ 500 V ± 50 V DC
		AC Voltage	IS 13779 Amd-5 Cl. No. 12.7.6.3	Qualitative (0.5 kV to 4.5 kV)

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