

Laboratory Genus Power Infrastructures Limited Metering Lab, Plot No. 12,
Sector-4, SIDCUL, BHEL, Ranipur, Haridwar, Uttarakhand

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5060 (in lieu of T-3294)

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Validity 09.02.2017 to 08.02.2019

Last Amended on 30.06.2017

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 ELECTRONICS (STATIC) ENERGY METERS				
1.	ac Static WATTHOUR & VAR-HOUR Meters	Insulation Test	IS 13779 (Cl. 12.7.6.4) IS 14697 (Cl. 12.7.6.4)	2 MΩ to 200 MΩ 50 V to 500 V
		Limits of Error	IS 13779 (Cl. 11.1) IS 14697 (Cl. 11.1)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		Meter Constant	IS 13779 (Cl. 12.15) IS 14697 (Cl. 12.14)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		Starting Condition	IS 13779 (Cl. 12.14) IS 14697 (Cl. 12.13)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		No-Load Condition	IS 13779 (Cl. 12.13) IS 14697 (Cl. 12.12)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		Repeatability of Error	IS 13779 (Cl. 12.17) IS 14697 (Cl. 12.16)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		Power Consumption Test	IS 13779 (Cl. 12.7.1) IS 14697 (Cl. 12.7.1)	30 V to 320 V 1 mA to 120 A p.f: (-)1 to (+)1
		AC High Voltage	IS 13779 (Cl. 12.7.6.3) IS 14697 (Cl. 12.7.6.3)	Qualitative (Upto 5 kV)

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