

Laboratory	Q.A. Lab, Advance Metering Technology Limited, B-189, Sec-83, Noida Phase-II, Gautam Budh Nagar, Uttar Pradesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	11.09.2015
Certificate Number	T-3582	Valid Until	10.09.2017
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- ELECTRICAL & ELECTRONIC (STATIC) ENERGY METERS			
1.	AC Static Watt hour Meters, Class 1 & 2	A.C. High voltage	IS 13779: 1999 (RA 2009) Cl.12.7.6.3	(Qualitative) 0.05 kV to 5 kV AC 3 mA to 100 mA 0.1 s to 90 s
		Insulation Resistance	IS 13779: 1999 (RA 2009) Cl.12.7.6.4	0.01 MΩ to 999 MΩ 0.1 s to 90 s
		Limits of error	IS 13779: 1999 (RA 2009) Cl.11.1	30 V to 300 V 10 mA to 100 A (-)1 to (+)1 –Lead & Lag 45 Hz to 65 Hz
		Meter constant	IS 13779: 1999 (RA 2009) Cl.11.6 & 12.15	30 V to 300 V 10 mA to 100 A (-)1 to (+)1 –Lead & Lag 45 Hz to 65 Hz
		Repeatability of error	IS 13779: 1999 (RA 2009) Cl.11.7 & 12.17	30 V to 300 V 10 mA to 100 A (-)1 to (+)1 –Lead & Lag 45 Hz to 65 Hz
		Starting condition	IS 13779: 1999 (RA 2009) Cl.11.5 & 12.14	(Qualitative) 30 V to 300 V 20 mA to 0.4 A UPF 45 Hz to 65 Hz

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Last Amended on - **Page** 2 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
	AC Static Watt hour Meters, Class 1 & 2	No-load condition	IS 13779: 1999 (RA 2009) Cl.11.4 & 12.13	(Qualitative) 30 V to 300 V 10 mA to 100 A (-)1 to (+)1 –Lead & Lag 45 Hz to 65 Hz
		Power consumption	IS 13779: 1999 (RA 2009) Cl.9.1, 12.7.1	Upto 20 VA, 20 W

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