

**Laboratory** Q. A. Lab, Avon Meters Private Limited, D-15-16-17, Industrial Focal Point, Derabassi, Distt.- Mohali, Punjab

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Electrical Testing **Issue Date** 24.04.2015

**Certificate Number** T-3397 **Valid Until** 23.04.2017

**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
<b>I. ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS</b>				
1.	<b>Ac Static Watthour Meters Class 1 and 2</b>	AC high voltage test	IS 13779: 1999 (Cl. No. 12.7.6.3)	1 kV to 4 kV AC at power frequency
		Insulation test	IS 13779: 1999 (Cl. No. 12.7.6.4)	500±50V dc 0.1M ohm to 10 G Ohm
		Test of limits of error	IS 13779: 1999 (Cl. No. 11.1)	30V to 288Vac, 1mA to 100A
		Test of meter constant	IS 13779: 1999 (Cl. No. 12.15)	PF: 0.2 Lag-UPF-0.2 Lead.
		Test of Starting condition	IS 13779: 1999 (Cl. No. 12.14)	45Hz to 55Hz
		Test of No load condition	IS 13779: 1999 (Cl. No. 12.13)	
		Test of Repeatability of error	IS 13779: 1999 (Cl. No. 12.17)	
		Test of Power consumption	IS 13779: 1999 (Cl. No. 12.7.1)	0.01VA to 10VA, 0.1W to 1.5W

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
2.	<b>Ac Static Transformer Operated Watthour And Var-Hour Meters, Class 0.2 S and 0.5 S</b>	AC high voltage test	IS 14697: 1999 (Cl. No. 12.7.6.3)	1 kV to 4 kV AC at power frequency
		Insulation test	IS 14697: 1999 (Cl. No. 12.7.6.4)	500±50V dc 0.1 MΩ to 10 GΩ
		Test of limits of error	IS 14697: 1999 (Cl. No. 11.1)	30 V to 288 Vac 1 mA to 100 A
		Test of meter constant	IS 14697: 1999 (Cl. No. 12.14 )	PF: 0.2 Lag-UPF-0.2 Lead.
		Test of Starting condition	IS 14697: 1999 (Cl. No. 12.13)	45 Hz to 55 Hz
		Test of No load condition	IS 14697: 1999 (Cl. No. 12.12)	
		Test of Repeatability of error	IS 14697: 1999 (Cl. No. 12.16)	
	Test of Power consumption	IS 14697: 1999 (Cl. No. 12.7.1)	0.01 VA to 10 VA 0.1 W to 1.5 W	

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