

<b>Laboratory</b>	<b>Central Meter Testing Laboratory, J.V.V.N.L., Hawa Sarak, Civil Lines, Jaipur, Rajasthan</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>04.07.2014</b>
<b>Certificate Number</b>	<b>T-1729</b>	<b>Valid Until</b>	<b>03.07.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
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#### **I. MEASURING INSTRUMENTS**

<b>1.</b>	<b>AC Static Watt Hour Meters Class 1 &amp; 2, AC Static Watt Hour &amp; Var Hour Meters Class 0.2s, 0.5s &amp; 1.0s</b>	Limit of Errors	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		Meter Constant	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		Starting Conditions	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		No Load Condition	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz

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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
	AC Static Watt Hour Meters Class 1 & 2, AC Static Watt Hour & Var Hour Meters Class 0.2s, 0.5s & 1.0s	Repeatability of Errors Test (Acceptance Test)	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		Test of Influence Quantity a) Voltage Variation b) Frequency Variation c) Reverse Phase sequence d) Influence of 10% of Third Harmonics in current circuit	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		Test of Power Consumption/ Power Loss for Voltage and Current Circuit	IS 13779:1999, (RA 2002) IS 14697:1999, (RA 2004) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz
		Shock Test	IS 13010:2002	Qualitative
2.	AC Static Watt Hour Meters Class 1 & 2	DC Component in AC Current circuit	IS 13779:1999, (RA 2002) IEC 62053-21: 2003 IEC 62053-22: 2003 IEC 62052-11: 2003 CBIP304:2008	60 V to 320 V and 10 mA to 100 A at $\pm 0.25$ pf to UPF at 50 Hz

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