

<b>Laboratory</b>	<b>Urban Testing Division, MSEDCL, Plot No. C 22 PSC Pole Factory Premises, MIDC, Satpur, Nashik, Maharashtra</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>19.12.2014</b>
<b>Certificate Number</b>	<b>T-2360</b>	<b>Valid Until</b>	<b>18.12.2016</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>
<b>I.</b>	<b>ELECTRICAL INDICATING &amp; RECORDING INSTRUMENTS</b>			
<b>1.</b>	<b>AC Static Watt-hour Meters, Class 1 and Class 2 &amp; AC Static Transformer operated Watt-hour and Var-Hour Meters, Class 0.2s, 0.5s and 1.0s (With/without TOD/ ABT/ Summation Features)</b>	Insulation Test	IS 13779: 1999 +A1:2003+A2:2004+A3:2004+A4:2006	Test Voltage 500 V DC Resistance 0-999 MΩ Up to 5 kV AC at Power frequency
		AC High voltage test		
		Test of Limits of Error	IS 14697: 1999 +A1:2003+A2:2004+A3: 2004	30 V to 300 V (P-N) 1 mA to 120 A 0.2 Lag – UPF – 0.2 Lead. 45 Hz to 65 Hz
		Test of Starting condition	IS 9792: 1987	
		Test of no-load condition	CBIP Publication No. 304: 2008	
		Test of repeatability of Error		30 V to 300 V (P-N) 1 mA to 120 A 50Hz
		Test for power consumption (in VA)		30 V to 300 V (P-N) 50Hz
		Test of Meter constant		30 V to 300 V (P-N) 1 mA to 120 A UPF 50 Hz  0.15 VA to 10 VA  30 V to 300 V (P-N) 1 mA to 120 A UPF 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
2.	AC Static Watt- hour Meters, Class 1 and Class 2 & AC Static Transformer operated Watt- hour and Var- Hour Meters, Class 0.2s, 0.5s and 1.0s (With/without TOD/ ABT/ Summation Features)	Long Duration Dial Test  Tamper Test  Missing Potential and Potential Imbalance. Current Imbalance. Current Reversal. Power ON/OFF. Current circuit short	IS 9792: 1987    CBIP Publication No: 304 / July 2008 Cl.6.7	30 V to 300 V (P-N) 1 mA to 120 A 0.2Lag – UPF – 0.2 Lead 45 Hz to 65 Hz  Qualitative

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