

Laboratory **EMI/EMC Test Facility, Linkwell Telesystems Pvt. Ltd., B- 45,  
Electronic Complex, Kushaiguda, Hyderabad, Telangana**

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

Certificate Number **TC-7880**

Page 1 of 2

Validity **26.09.2018 to 25.09.2020**

Last Amended on --

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**

<b>I.</b>	<b>EMI/EMC TESTING</b>			
1.	<b>All Electrical &amp; Electronic products Single Phase,&lt;16A</b>	Electrostatic Discharge Immunity Test	IEC 61000 4-2 IS 13779	Pulse Amplitude Contact Discharge: ± 2 kV to ± 8 kV Air Discharge: ± 2 kV to ± 15 kV
		Radiated, Radio-Frequency electromagnetic field immunity (Radiated Susceptibility) Test	IS 13779	Frequency Range: 80 MHz to 1 GHz  Field Strength: 1V/m to 10V/m
		Immunity to conducted disturbances, induced by radio frequency field (Conducted Susceptibility) test	IEC 61000 4-6	Frequency Range: 150 kHz to 80 MHz  Field Strength: 1V to 10V
<b>II.</b>	<b>ENVIRONMENTAL TEST FACILITY</b>			
1.	<b>All Electrical &amp; Electronic products Length:71cm, Width:58cm Height:76cm</b>	Cold Test	IS 9000 (Part II) IEC 60068 2-1	Temperature: (-) 40°C to 5°C
		Dry Heat Test	IS 9000 (Part III) IEC 60068-2-2	Temperature: 25°C to 175°C
		Damp Heat (Steady State)	IS 9000 (Part IV) IEC 60068-2-78	Temperature: 25°C to 55°C Humidity:95% RH
		Damp Heat (Cyclic) Test	IS 9000 (Part V) IEC 60068-2-30 IS 13779:1999	Temperature: +25°C to 55°C Humidity:95% RH

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		Vibration Test (Sinusoidal)	IS 9000 (Part VIII) IEC 60068-2-6 IS 13779	Frequency: 10 Hz to 500 Hz Acceleration:0.5g to 10g, Displacement:10mm
<b>III.</b>	<b>MEASURING INSTRUMENTS - ELECTRICAL AND ELECTRONIC (STATIC) ENERGY METERS</b>			
<b>1.</b>	<b>Energy Meters</b>	Limits of error	IS 13779	10 mA to 100 A
		Meter constant	IS 14697	10 mA to 100 A
	<b>AC Static kWh meter of class 1 and 2</b>	Starting condition		5 mA (minimum)
		No load condition		276 V (maximum)
		Repeatability of error		50 mA to 20 A
	<b>AC Static Transformer operated Tri vector meters of class 0.5S</b>	Power consumption		Voltage circuit: 0.1 W to 1.5 W 0.24 VA to 10 VA Current circuit: 0.001 VA to 1 VA
		Insulation Test		1M $\Omega$ to 50 G $\Omega$ , 500V DC
		AC High voltage test		Upto 5 kV AC