
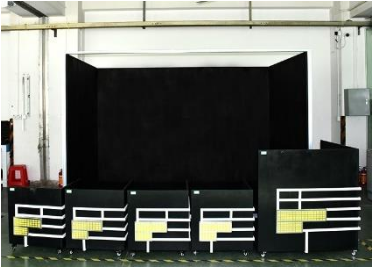





Series One: Electrical Appliance Testing Equipment				
No.:	Item Name	Model No.:	Standards & Clauses	Picture for Reference
1	Label Marking Abrasion Resistance Test Machine	SN1101	IEC 60335-1:2020 clause 7.14 IEC 60065:2014 clause 5.1, IEC 60950:2013 clause 1.7.11, IEC 60669-1 clause 8.9, etc.	
2	Test Corner	SN1102	IEC60335-1:2020 clause 11	
3	Temperature Measuring Instrument	SN1103	IEC60335-1:2020 clause 11	
4	Leakage Current Tester/ Voltage Withstand Tester /Electrical Safety Tester	SN6872F	IEC60335-1:2020 clause 13	
5	Impulse Voltage Generator	SN1104	IEC 60335-1:2020 clause 14 IEC60950-1:2013 clause 1.5.7.2, 1.5.7.3, 2.10.3.9, 6.2.2.1,7.4.2, 7.4.3,G5,Annexe N IEC60065: 2014 clause	

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			13.3.4 , Annex J.5, annex K	
6	Inclined Plane	SN1105	IEC 60335-1:2020 clause 21.1	
7	Insulation Surface Scratch Resistance Test Apparatus	SN1106	IEC 60335-1:2020 clause 21.2	
8	Pin Torque Test Apparatus	SN1107	IEC 60335-1:2020 clause 22.3	
9	Automatic Cord Reels Endurance Test Equipment	SN1108	IEC 60335-1:2020 clause 22.16	
10	Oxygen Bomb (Air Bomb) Aging Test Chamber	SN1109	IEC 60335-1:2020 clause 22.32	

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11	Ceramic Material Fuchsine Spirit Pressure Test Apparatus	SN1110	IEC 60335-1:2020 clause 22.32	
12	Anti-inverted Siphon Test Device	SN1111	IEC 60335-1:2020 clause 22.48	
13	Power Cord Flexing Test Apparatus	SN1112	IEC 60335-1:2020 clause 23.3 and 25.14 IEC60745-1:2006 clause 24.12 IEC60884-1:2006 clause 23.4	
14	Cord Anchorage Pull Force And Torque Test Apparatus	SN1113	IEC60335-1:2020 clause 25.15 IEC60884-1:2020 clause 23.2, table 21 IEC60745-1:2006 clause 24.14 IEC60598-1:2014 clause 5.2.10.3 IEC60065:2005 clause 16.5	
15	Load for Testing Rotating Spits	SN1114	IEC60335-2-9:2019 clause 3.1.9.102 and figure 102 IEC60335-2-6:2018 clause 3.1.9.104 and figure 103	

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16	Aluminum Vessel and Steel Vessel	SN1115	IEC60335-2-9:2019 clause 3.1.9.108 and figure 103 and figure 104 IEC60335-2-6:2018 clause 3.1.9.101 and figure 101 and figure 102	
17	Toasters Abnormal Operation Endurance Test Equipment	SN1116	IEC60335-2-9:2019 clause 19.101	
18	Hair Care Appliance Swivel Connection Rotation Endurance Test Equipment	SN1117	IEC60335-2-23:2012 clause 11.101	
19	30 ml Spillage Test Apparatus	SN1118	IEC60335-2-15:2012 clause 22.103 IEC60320-1:2007 clause 14.2 and figure B.1	
20	Cordless Kettle Stand and Withdrawn Testing Equipment	SN1119	IEC60335-2-3:2008 clause 22.105 IEC60335-2-15:2012 clause 22.103 IEC60335-2-14:2006 clause 22.103	

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21	Refrigerator Freezer Door and Drawer Endurance Test System	SN1201	IEC60335-2-24:2012 clause 22.112	
22	Washing Machine Door Endurance Testing Machine	SN111	IEC60335-2-11:2008 clause 20.101 IEC60335-2-7:2016 clause 18 and 22.104 IEC60335-2-4:2006 clause 18	
23	Electric Iron Drop Test Machine	SN1501	IEC60335-2-3:2008 clause 21.101 IEC60335-2-17:2006 clause 21.101	
24	Non-stick Cookware Coating Abrasion Resistance Test Equipment	SN1601	CMA BS 7069 NF-DN21-511	
25	Cookware Handle Torque Resistance Test Apparatus	SN1602	BS EN 12983-1: 2020 clause 7.4 and Annex C, figure C.1	
26	Cookware Handle Bending Strength Test Apparatus	SN1603	BS EN 12983-1: 2020 clause 7.5 and Annex D, figure D.1	

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27	Cookware Handle Fatigue Resistance Test Apparatus	SN1604	BS EN 12983-1: 2020 clause 7.6 and Annex E, figure E.1	
28	Cookware Handle Pull Resistance Test Apparatus	SN1605	BS EN 12983-1: 2020 clause 7.11 and Annex M, figure M.1	
29	Pencil Hardness Test Apparatus for Exterior Organic Coatings	SN1606	BS EN 12983-1: 2020 clause 8.4.2 and Annex K, figure K.1	
30	Cookware Pouring Test Apparatus	SN1607	BS EN 12983-1: 2020 clause 9.1 and Annex L	
31	Cookware Bottom Concavity Measurement Instrument	SN1608	BS EN 12983-1:2020, annex Q.2.11.	
32	Motorized Heads Free Fall Cleaning Test Apparatus	SN1701	IEC 60335-2-2: 2009 clause 15.101	

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33	Current-Carrying Hoses Crushing Resistance Tester	SN1702	IEC 60335-2-2 Clause 21.101	
34	Current-Carrying Hoses Abrasion Resistance Tester	SN1703	IEC 60335-2-2 Clause 21.102 figure 101	
35	Current-Carrying Hoses Flexing Resistance Tester	SN1704	IEC 60335-2-2 Clause 21.103 figure 102	
36	Current-Carrying Hoses Torsion Resistance Test Equipment	SN1705	IEC 60335-2-2 Clause 21.104	
37	Current-Carrying Hose Cold Resistance Test Equipment	SN1706	IEC 60335-2-2 Clause 21.105	

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38	Vacuum cleaner Hoses and Connecting Tubes Deformation Test Equipment	SN1713	IEC 60312-1 clause 7.3.11, figure 29	
39	Vacuum Cleaners Overrunning Bump Against Threshold Doorpost Test Equipment	SN1714	IEC 60312-1 clause 6.7, figure 14 and 1	
40	Microwave Oven Door Endurance Test Equipment	SN1A01	IEC60335-2-25:2021 clause 18	
41	Rubber Hemisphere Drop Test Device	SN1402	IEC 60335-2-7:2019 clause 21.101.1 IEC 60335-2-4 clause 21.101.	
42	Wire Frame and Dull Black Painted Wooden Sphere Hair Dryer	SN1120	IEC60335-2-23:2012 clause 3.1.9 and figure 101	
43	Foot Warmers Flexing Test Equipment	SN1121	IEC 60335-2-81 clause 21.101 and figure 101	





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44	Handheld Hair Dryers Outlet Air Temperature Measuring Device UL859	SN1122	IEC 61855 clause 6.5 figure 2 and 3	
45	Hair Dryer Drying Rate Test Device	SN1122A	IEC 61855:2003, UL859 and QB/T1876	
46	Hair Dryers Air Volume Test System	SN335-2C	IEC 61855:2003 figure 9	
47	Electrical Beauty Care Appliance Vacuum Pressure Testing Equipment	SN1123	IEC 60335-2-113: 2016	

Series Two: Electrical Accessories Reliability Testing Equipment

No.:	Item Name	Model No.:	Standards & Clauses	Picture for Reference
1	Plug and Socket Gauges	SN2201	IEC60320-1:2018 clause 9.1 IEC60884-1:2022 clause 9.1 UL498-2016 DIN VDE 0620-1 : 2010 BS1363-1-2012 AS/NZS 3112-2011	

			<p>SANS 164-1:2016 SANS 164-2:2012 SANS 164-3:2013 SANS 164-4:2017 GOST 7396.1-89 (IEC83-75), Group C</p>	
2	Plugs Socket-outlets Switches Breaking Capacity and Normal Operation Endurance Testing Equipment	SN2116	<p>IEC60884-1:2022 clause 20 and 21 IEC61058-1:2016 clause 17 IEC60669-1:2017 clause 18 and 19 IEC60320-1:2018 clause 19 and 20</p>	
3	Load Cabinet for Switches, Plugs and Socket-outlets Breaking Capacity Testing	SN2117	<p>IEC60884-1:2022 clause 20 and 21 IEC60598-1:2017 clause 4.11.6 IEC61058-1:2016 clause 17 IEC60669-1:2017 clause 18 and 19 IEC60320-1:2018 clause 19 and 20</p>	
4	Load Cabinet for Switches Intended for Self-ballasted Lamp Loads	SN2117D	<p>IEC60669-1:2017 clause 19.3</p>	
5	Low or High Energy Pendulum Hammer Impact Test Apparatus	SN2122	<p>IEC60068-2-75:2014 IEC60884-1:2013 clause 24.1 and figure 22-26 IEC60598-1:2017 clause 20.1 IEC62262:2002</p>	




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6	Tumbling Barrel Free Fall Test Apparatus	SN2123	IEC60884-1:2013 clause 24.2 IEC60068-2-32:2006 IEC60598-1:2014 clause 4.13.6 IEC60320-1: clause 23.2 DIN VDE 0620-1 : 2010 BS1363-1-2012	
7	Ball Pressure Test Apparatus	SN2137	IEC60884-1:2013 clause 25.2 and 25.3 IEC60598-1:2017 clause 13.2.1 IEC61058-1:2016 clause 21.1 IEC60669-1:2017 clause 21 IEC60320-1:2018 clause 24.1.2	
8	Spring Hammer Test Apparatus	SN2207	IEC60065:2014 clause 16.5 IEC60068-2-75:2014 IEC60335-1:2016 clause 21.1 IEC60598-1:2017 clause 4.13.1 IEC61058-1:2016 18.2 IEC60320-1:2018 clause 23.5	
9	2J 5J 10J 20J Striking Elements Vertical Impact Test Apparatus	SN2206	IEC60068-2-75:2014 IEC60598-1:2017 IEC62262:2002	

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10	IEC61032 Test Probes	SN2210	IEC61032:1997 IEC60529:2013 IEC 60884-1:2013 IEC60884-1:2013 IEC60335-1:2016 IEC60950-1:2013 IEC60065:2014 DIN VDE 0620-1:2010 BS 1363-1-2016	
11	Compression Testing Apparatus	SN2108	IEC 60884-1:2022 clause 10.2 and 24.6 figure 6	
12	Conductor Damage Degree Test Machine	SN2111	IEC 60884-1:2022 clause 12.2.5, Figure 13, IEC 60669-1:2017 clause 12.2.5 & 12.3.10 figure 9	
13	Screwless Terminals Deflection Test Apparatus	SN2112	IEC 60884-1:2022 clause 12.3.11, IEC 60669-1 clause 12.3.11, 12.3.12 and figure 14, IEC 60669-1 clause 12.3.12, figure 10a & figure 10b	
14	Connections of Conductors Pull Force Test Apparatus	SN2142	IEC 60884-1:2022 clause 13.4 figure 15	





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15	Device for Checking Lateral Strain	SN2113	IEC 60884-1:2022 clause 13.14, figure 16	
16	Device for Checking Non-solid pins	SN2114	IEC 60884-1:2022 clause 14.2, figure 17	
17	Plug Torque Test Apparatus	SN2107	IEC 60884-1:2022 clause 14.22.3	
18	Test Wall	SN2115	IEC 60884-1:2022 clause 16.2 Figure 18 c)	
19	Test Set Up for Temperature Rise Test	SN2119	IEC 60884-1:2022 Clause 19.5, IEC 60669-1 Clause 17	
20	Apparatus For Verification of Maximum And Minimum Force	SN2118	IEC 60884-1:2022 clause 22.1 and 22.2, figure 25 & 26.	

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22	Cord Retention Testing Apparatus	SN2120	IEC 60884-1:2022 clause 23.2, figure 27	
23	Power Cord Flexing Test Apparatus	SN2121	IEC 60884-1:2022 clause 23.4, figure 28	
24	Test Cylinder	SN2124	IEC 60884-1:2022 clause 24.4, IEC 60669-1 :2017 Clause 20.3, etc.	
25	Low Temperature Impact Test Apparatus	SN2127	IEC 60884-1:2022 clause 24.5, 30.5, figure 30 & 45.	
26	Insulation Sleeves Of Plug Pins Abrasion Test Apparatus	SN2128	IEC 60884-1:2022 clause 24.8, figure 31.	
27	Multiple Portable Socket-outlets Mechanical Strength Test Apparatus	SN2129	IEC 60884-1:2022 clause 24.10, figure 32	

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28	Apparatus to Verify the Fixation of Pins in the Body of Plug	SN2130	IEC 60884-1:2022 clause 24.110, figure 33	
29	Arrangement for Test on Covers or Cover-plates	SN2131	IEC 60884-1:2022 clause 24.13, figure 34, IEC 60669-1:2017 clause 20.5, 20.6 and 20.7 figure 13,	
30	Apparatus for Compression Test for the Verification of Resistance to Heat	SN2138	IEC 60884-1:2022 clause 25.5, figure 41	
31	Apparatus for Testing to Abnormal Heat of Insulating Sleeves of Plug Pins	SN2140	IEC 60884-1:2022 clause 28.1.3, figure 43	
32	Apparatus for Pressure Test at High Temperature	SN2141	IEC 60884-1:2022 clause 30.2, figure 44	
33	Plug Gripping Test Apparatus	SN2136	IEC 60884-1:2022 Annex B figure B.1 and B.2	
34	Halogen Lamp Load Cabinet	SN2117F	IEC 60669-1:2017 clause 18.3	

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Series Three: Energy Efficiency & Performance

Comprehensive Test System

No.:	Item Name	Model No.:	Standards & Clauses	Picture for Reference
1	Air Conditioners Energy Efficiency Test System (Enthalpy Method)	SN331	Can be customized as per: IEC60335-2-40: 2016 ISO 5151:2010 ISO 16358:2013 Other standards	
2	Energy Efficiency Testing System for Household Refrigerator and Freezers	SN332	Can be customized as per: BS EN ISO 15502:2005 IEC 62552-2015 SASO 2664 Other standards	
3	Energy Efficiency Test System for Washing Machines	SN333	Can be customized as per: IEC60335-2-7 IEC60335-2-4 IEC60456 GB 23118-2008 GBT4288-2008 Other standards	
4	Energy Efficiency Test System for Pedestal and Table Fans	SN334	Can be customized as per: Building a Testing Facility and Performing the solid State Test Method for ENERGY STAR Qualifide Other standards	

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5	Energy Efficiency Test System for Ceiling Fans	SN335	Can be customized as per: Building a Testing Facility and Performing the Solid State Test Method for ENERGY STAR Qualification of Ceiling Fans Other standards	
6	Energy Efficiency Test System for Electric Water Heaters	SN336	Can be customized as per: EU814-2013 IEC 60379 IEC 60335-2-21 Other standards	
7	Energy Efficiency Test System for Vacuum Cleaner	SN337	Can be customized as per: IEC 62885 (EU) No 666, (EU) No 665 Other standards	
8	Range Hood Air Volume Test System (Air Performance Test System)	SN3311	Can be customized as per: ISO 5801, JIS B8330, JIS C9603	

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9	Ventilating Fans Air Volume Measurement System	SN3312	Can be customized as per: GB/T14806-2017 GB/T1236-2017 Other international standards	
10	Electric Water Heaters Comprehensive Performance Testing System	SN3313	Can be customized as per: IEC 60335-2-21:2012 clause 22.102, 24.102.1, 24.102.2. Other standards	

Series Four: Water Ingress Testing Equipment

1	IP56 Sand and Dust Test Chamber	SN441	IEC60529:2013 IP5 &IP6 IEC60598-1:2014	
2	Wall-mounted IPX1 and IPX2 Ingress of Water Inspection Vertical Drip Box Testing Equipment	SN442	IEC 60529-2013 IPX1 and IPX2 IEC 60598-1-2017	
3	IPX1 and IPX2 Ingress of Water Inspection Drip Box Test Chamber	SN443	IEC 60529-2013 IPX1 and IPX2 IEC 60598-1-2017	

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4	IPX3 and IPX4 Protection Against Spraying and Splashing Water Oscillating Tube Test Equipment	SN444	IEC 60529-2013 IPX3 and IPX4 IEC 60598-1-2017	
5	IPX3 IPX4 Spraying and Splashing Water Ingress Protection Oscillating Tube Test Chamber	SN445	IEC 60529-2013 IPX3 and IPX4 IEC 60598-1-2017	
6	IPX3 IPX4 Hand-held Spray Nozzle Protection Against Spraying and Splashing Water	SN446	IEC 60529-2013 IPX3 and IPX4 IEC 60598-1-2017	
7	IPX5 IPX6 6.3 mm or 12.5 mm Hose Nozzle Protection Against Water Jets	SN447	IEC 60529-2013 IPX5 and IPX6 IEC 60598-1-2017	
8	IPX5 IPX6 Hose Nozzles Water Stream Jet Test System	SN448	IEC 60529-2013 IPX5 and IPX6 IEC 60598-1-2017	

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9	IPX5 IPX6 Hose Nozzles Water Stream Jet Test Chamber	SN449	IEC 60529-2013 IPX5 and IPX6 IEC 60598-1-2017	
10	IPX7 Temporary Immersion Test Chamber Transparent Water Tank	SN4410	IEC 60529-2013 IPX7 IEC 60598-1-2017	
11	IPX8 Continuous Immersion Test Chamber Stainless Steel High Pressure Cylindrical Water Tank	SN4411	IEC 60529-2013 IPX8 IEC 60598-1-2017	
12	IPX9K High Pressure High Temperature Water Jetting Test Chamber	SN4412	IEC 60529 -2013 IPX9 IEC 60598-1-2017 ISO20653-2013 figure 7, 8, 9 and table 7 (9K) DIN40050-9 figure 8and table 8 (9K)	
13	IPX1 IPX2 IPX 3 IPX 4 Vertical Drip and Oscillating Tube Rain Test System	SN4413	IEC 60529 -2013 IPX1, IPX2, IPX3and IPX4 IEC 60598-1-2017	



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14	IPX1/2/3/4 Vertical Water Drip and Spray Water Ingress Protection Test Chamber	SN4414	IEC 60529 -2013 IPX1, IPX2, IPX3and IPX4 IEC 60598-1-2017	
15	IPX3/4/5/6 Spray Nozzle and Hose Nozzle Water Spray Test System	SN4415	IEC 60529 -2013 IPX3, IPX4, IPX5 and IPX6 IEC 60598-1-2017	
16	IPX3/4/5/6 Oscillating Tube Water Spraying and Hose Nozzle Water Jetting Ingress Protection Testing Chamber	SN4416	IEC 60529 -2013 IPX3, IPX4, IPX5 and IPX6 IEC 60598-1-2017	
17	IPX1/2/3/4/5/6/7 Comprehensive Protection Against Water Ingress Test System	SN4417	IEC 60529 -2013 IPX1, IPX2, IPX3, IPX4, IPX5, IPX6 and IPX7 IEC 60598-1-2017	
18	IPX1/2/3/4/5/6/7/8 Comprehensive Protection Against Water Ingress Test System	SN4418	IEC 60529 -2013 IPX1, IPX2, IPX3, IPX4, IPX5, IPX6 IPX7 and IPX8 IEC 60598-1-2017	






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19	IPX1/2/3/4/5/6 Comprehensive Protection Against Water Ingress Test Chamber	SN4419	IEC 60529 -2013 IPX1, IPX2, IPX3, IPX4, IPX5 and IPX6 IEC 60598-1-2017	
20	UL Water Spray Test Apparatus	SN4420	UL1993 clause 24, figure 24.1 and 24.2 UL60507-ENGL 1999 figure 38.1 and 38.2 ANSI Z21.10.3-2004 ANSI Z21.58 Figure 10/Figure 11 CSA4.3-2004 UL1598, UL153, UL154B, UL1703, UL8750, UL1741, UL514B, UL1278, UL1571, etc.	
21	Temperature Shock with Splash Water Test Chamber for Automotive Electric and Electronic Components	SN4421	MBN LV 124-2 2013- 08 clause 14.11 K-12 VW-80000:2009-10 clause 9.12 K-12 ISO16750-4:2006 clause 5.4.2 GB/T28046.4-2011 clause 5.4.2	
22	IPX6K/9K Water Jetting Test Chamber	SN4422	IEC 60529: 1992 +A2:2013 clause 14.2.9 ISO 30653-2006 QC/T 417.1-200 clause 4.9.2 DIN40050-9	

Series Five: Battery Testing Equipment

1	Lithium Battery Temperature Controlled Type External Short Circuit Tester	SN551	IEC62133:2017 clause 7.3.2 IEC62133:2014 clause 7.3.2,8.3.1, 8.3.2 IEC60086-4 clause 6.5.1 IEC60086-4 clause 6.5.8 6.5.9 IEC 60086-1 IEC61951 IEC61960	
2	Lithium Battery Vibration Impact Test Bench	SN553	IEC62133:2017 clause 7.2.2 IEC62133:2012 clause 7.2.2 IEC60086-4 clause 6.4.3	
3	Computer Control Lithium Battery Crush Acupuncture Tester	SN554	IEC62133:2017 clause 7.3.6 IEC62133:2012 clause 7.3.6, 8.3.5 IEC60086-4 clause 6.5.3 IEC 60086-1	
4	Lithium Battery Heavy Impact Testing Machine	SN555	IEC62133 IEC60086-4 clause 6.5.2 IEC 60086-1 and etc.	



5	Lithium Battery Thermal Impact (Thermal Abuse) Test Chamber	SN556	IEC62133:2017 clause 7.2.3, 7.3.5 IEC62133:2012 clause 7.3.5, 8.2.2, 8.3.4 IEC61960 IEC60086-4 clause 6.5.7 IEC 60086-1	
6	Lithium Battery Combustion Jet Testing Machine	SN557	IEC60086-4 clause 6.2.6, 6.2.8 IEC62133	
7	Lithium Battery Acceleration Impact Test Bench	SN558	IEC62133:2017 clause 7.3.4 IEC62133:2012 clause 7.3.4 IEC60086-4 clause 6.4.4	
8	Lithium Battery High and Low Temperature Cycling Test Chamber	SN559	IEC62133:2017 clause 7.2.4 IEC62133:2012 clause 7.2.4 IEC60086-4 clause 6.4.2	
9	Lithium Battery Drop Test Machine	SN5510	IEC62133:2017 clause 7.3.3 IEC62133:2012 clause 7.3.3, 8.3.3 IEC60086-4 clause 6.5.4 IEC 60086-1	

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10	Lithium Battery High Altitude Low Pressure Test Chamber	SN5511	IEC62133:2017 clause 7.3.7 IEC62133:2012 clause 7.3.7 IEC60086-4 clause 6.4.1 IEC 60086-1 and etc.	
11	Battery Temperature Controlled Type Internal Short Circuit Tester	SN5513	IEC62133-2012 clause 8.3.9	
12	Ingestion Gauge	SN5514	IEC62133:2017 clause 8.2, 10 and fig.2 ISO 8124-1 5.2 and fig. 22, IEC60086-4 clause 7.2 and fig 9 and etc.	

Series Six: Flammability Test Chamber





1	50W 500W Flames Horizontal and Vertical Burning Test Chamber	SN771	IEC60695-11-4 IEC60695-11-10 IEC60695-11-3 IEC60695-11-20 UL94	
2	Glow Wire Test Chamber	SN772	IEC60695-2-10 IEC60695-2-11 IEC60695-2-12 IEC60695-2-13	

3	Needle Flame Test Chamber	SN773	IEC60695-11-5 IEC 60695-2-2	
4	Proof and Comparative Tracking Indices Test Chamber	SN774	IEC60112 UL746A IEC60695 ASTMD3638	
5	Single Insulated Wire Vertical Flame Propagation Testing Chamber	SN775	IEC60332-1-1:2015 IEC60332-1-2:2015 IEC60332-1-3:2015 etc.	
6	Automotive Interior Materials Flammability Test Chamber	SN776	ISO3795 DIN75200 ASTM D5132-17 TL1010 GB8410 etc.	
7	Cellular Plastic Materials Horizontal Burning Test Chamber	SN777	ISO9772-2012 UL94	

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8	Hot Wire Coil Ignition Test Chamber	SN778	IEC60695-2-20-1995 ASTMD3874-1997 IEC60950-1999 UL746A-2000 UL746C-2000 IEC829-1998	
9	High Current Arc Ignition Test Chamber	SN779	UL 746A clause 33 UL746C clause 49 UL 498 clause 114 IEC 60950-1 BS EN 60950-1 BS 7002 etc.	
10	Textile Fabrics Burning Testing Chamber	SN7710	ISO 6941:2003	
11	UL 1581 Electrical Cables Flammability Test Chamber	SN7711	UL1581	
12	Flame Gauges and Consumables for Flammability Test Chambers	SN7712	Refer to different test standards	

13	Hot Flaming Oil Test Device	SN7713	IEC60950-1:2005 and IEC60950-1:2013 clause 4.6.2, Annex A.3	
Series Seven: Environmental Test Equipment				
1	Constant Temperature and Humidity Testing Chamber	SN881	IEC60068-2-1:2007 IEC60068-2-78:2012 IEC60068-2-30:2005	
2	UV Weathering Accelerated Ageing Test Chamber	SN882	GB/T 14522-93 ASTM G154 ISO 4892-1-2016 ISO 11507 -2007 ASTMD 4329-2005	
3	Water Cooling Xenon Weathering Test Chamber	SN883	GB/T16422.3 -2014 ISO 4892-3:2006 IEC60068-2-5 AATCCM16 ASTM-D4459	
4	Air Cooling Xenon Weathering Test Chamber	SN884	GB/T16422.3 -2014 ISO 4892-3:2006 IEC60068-2-5 GBT2423.24-2013 ASTMG155 ISO10SB02/B04 SAEJ2527 SAEJ2412	


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5	Rapid Temperature Change Test Chamber	SN885	IEC60068-2-1:2007 IEC60068-2-2:2007 IEC60068-2-78:2012 IEC60068-2-30:2005	
6	Walk-in Constant Temperature and Humidity Test Chamber	SN886	IEC60068-2-1:2007 IEC60068-2-2:2007 IEC60068-2-78:2012 IEC60068-2-30:2005	
7	Thermal Shock Test Chamber	SN887	IEC60068-2-1:2007 IEC60068-2-2:2007 IEC60068-2-78:2012 IEC60068-2-30:2005	
8	Temperature, Humidity and Vibration Three in One Comprehensive Environmental Test Chamber	SN888	IEC60068-2-1:2007 IEC60068-2-2:2007 IEC60068-2-78:2012 IEC60068-2-30:2005 IEC 60068-2-6 : 1995	
9	Electric Heating Blast Drying Oven	SN889	JB/T 20033-2011 JB/T 9505-1999 JB/T 5520-1991	

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10	Salt Spray Test Chamber	SN8810	ASTM.B117-97 JIS H8502 IEC68-2-11 IEC68-2-52 1996 DIN50021-75 ISO3768 ISO 3769 ISO 3770 CNS 3627 CNS 3885 CNS.4158 CNS.4159 CNS 7669 CNS 8866 JISD-0201 H-8502 H-8610 K-5400	
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Series Eight: Luminaries Test Equipment

1	Lamp Caps and Holders Gauges for Control of Interchangeability and Safety	SN991	IEC 60061-3:2015 IEC 60238:2017 IEC 61184:2017	
2	Test Chain Short-circuit Protection	SN992	IEC 60598-1:2014 clause 4.26 and figure 29	

3	Screwed Luminaires Lampholders Torque Test Apparatus	SN993	IEC 60598-1:2014 clause 4.12.4	
4	Screwed Glands Torque Test Apparatus	SN994	IEC 60598-1:2014 clause 4.12.5	
5	Semi-luminaires Bending Movement Test Apparatus	SN995	IEC 62560-2015 clause 6.2, table 2 IEC 61199 -2014 clause A2.1 IEC 60598-1:2014 clause 4.14.2	
6	Luminaires Adjusting Devices Movement Test Apparatus	SN996	IEC60598-1:2014 clause4.14.3	
7	Draught-proof enclosure	SN997	IEC 60598-1:2014 ANNEX D	

8	Thermal Enclosure for Luminaries Endurance Test	SN998	IEC 60598-1:2014 clause 12.3.1	
9	Luminaries Aging Test Rack		IEC 605981:2014 clause 12.3.1 and 12.3.	
10	Single-phase / Three-phase Variable Frequency Power Supply	SN9912	/	
11	Cap of Metal-Shell Lampholders Security Test Apparatus	SN9913	UL 496 2013 clause 5.2.11, IEC 60238 clause 16.5 figure 12, etc.	
12	Fluorescent Lamp Holder Axial Force Tester Luminaries Test Equipment	SN9926	IEC60598-1 clause 4.4.4 i)	

13	Thermostat Life Test Bench	SN9928	IEC 60598-1 clause 12.7.2	
14	Road Lamp Wind-force Test Device	SN9929	IEC60598-2-3: 2011 clause 3.6.3.1, figure 1.	
15	Goniophotometer	SNG1900	LM-79-2008 LB/T 001-2008 CIE 69 CIE 70-1987 CIE 121-1996 CIE 84 LM-75 etc.	
16	Spectroradiometer&2.M Integrating Sphere Test System	SNCS6500	LM-79-2008 ASTM E1175-87 etc.	

Series Nine: Automotive Test Equipment

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1	Automotive Rain Test Room / Bus Rainproof Sealing Test Chamber	SNQC1001	QC/T476-2007 QC/T449—2010 clause 4.15	
2	Automotive Environment Simulation Testing Room	SNQC1002	SAE.J602-2011 QC/T-658-2000 GB11555-2009 IEC60068-2-1:2007 IEC60068-2-2:2007 IEC60068-2-78:2012 IEC60068-2-30:2005 IEC 60068-2-14: 2009	
3	Compressor Pressure Resistance Test Bench	SNQC1003	IEC60335-2-24:2017 clause 22.7 and clause 22.103	
4	Vibration Test Bench	SNQC1004	IEC60335-2-24:2012 clause 21.101 GB/T22068-2008 clause 6.5.12and table 8 GB/T21360-2008 clause 6.14 and table 8	





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5	Vehicle Connector and Plug Breaking Capacity and Normal Operation Testing Machine	SNQC1005	IEC62196-1: 2014 clause 22 and clause 23 IEC60309-1: 2012 clause 20 and clause 21	
6	Temperature Rise Test System	SNQC1006	IEC62196-1: 2014 clause 24 IEC60309-1: 2012 clause 22	
7	Plugs and Vehicle Connectors Cable Anchorage Pull Force and Torque Test Apparatus	SNQC1007	IEC62196-1: 2014 clause 25.3 IEC60309-1: 2012 clause 23.3	
8	Accessories Mechanical Strength Pendulum Impact test Apparatus	SNQC1008	IEC60309-1: 2012 clause 24.2, figure 7	
9	Non-rewireable Accessories Mechanical Strength Flexing Testing Apparatus	SNQC1009	IEC62196-1: 2014 clause 26.4, figure 14 IEC60309-1: 2012 clause 24.4, figure 9	

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10	Vehicle Drive Over Testing Apparatus for Vehicle Connector and Plug	SNQC1010	IEC62196-1: 2014 clause 33.2 and 33.3 GB/T20234.1-2015 clause 6.21 and 7.21 NB/T42077-2016 clause 9.34	
11	Gauges on Figure 6	SNQC1011	Conforms to IEC 62196-1Ed.4CDV 2020 clause 13.2.1 fig 11.	
12	Terminal Tester	SNQC1012	IEC 62196-1Ed.4CDV 2020 clause 13.3.1 fig12, table 3.	
13	Withdrawal Force and Latching Verification Test Apparatus	SNQC1013	IEC 62196-1Ed.4CDV 2020 clause 14.1.5, 14.1.6, fig13, fig14, table 5.	
14	Universal Material Tensile Machine for Insertion Test	SNQC1014	IEC 62196-1Ed.4CDV 2020 clause 9, 13.3.2,16.9, 26.7.3, table 4	
15	Test Plugs for Withdrawal Force Test	SNQC1015	IEC 62196-1Ed.4CDV 2020 clause 14.1.5, 14.1.6.	

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16	Overpressure System Test	SNQC1016	IEC 62196-3-1 clause 101.6.	
17	Rewireable Plugs and Vehicle Connector Mechanical Strength Testing Equipment	SNQC1017	IEC 62196-1Ed.4CDV 2020 clause 26.3, fig 19.	
18	Misalignment Test Apparatus	SNQC1018	IEC 62196-3 clause 36.3, figure 18.	