

QUALITY CONTROL INSTRUMENTS

Sl.No	STPL Ref. No	Instrument description	Model	Range	Least Count	Acceptance Certiria
1	STPL LAB 001	Soldering Station	SS-207	200-480°C	1°C	±10°C
	STPL LAB 001-A	Soldering Test	PID 528	0-350°C	1°C	±10°C
2	STPL LAB 002	Hot Air Oven	PID 529	0 - 250°C	1°C	±2°C
	STPL LAB 002-A	Hour/Meter	MTT7/HZ	0-99999.99Hrs	0.01Hrs	±1 %
3	STPL LAB 004	Regulated DC Power Supply	PS30V02/05/10A	0-30V DC/0-5A DC	0.1VDC/0.1ADC	>80% Test Voltage
4	STPL LAB 006	Electronic Balance	HPB 1001	0- 1020 Gms	0.001 gms	(1mg)
5	STPL LAB 007	Uni-axial Testing Machine (Tensile Testing Machine)	TTM 2A	0-250 kg 0-2500N	10N	±2%
6	STPL LAB 008	Digital Thermo Hygrometer	HTC-01	0-50°C & 0-99%RH	0.1°C & 1%RH	HTC-1±0.5%
7	STPL LAB 011	Compression Tester	--	0-500 kg	0.1kg	±2%
8	STPL LAB 013	Torsion Testing Equipment (RPM)	--	60rpm	---	<1 Turns/Sec
	STPL LAB 013-A	Counter	RC 102	0-99999 Count	1 Count	±5%
9	STPL LAB 015	Automated Continuity Tester	CT-01	---	---	---
10	STPL LAB 016	Digital Micro Ohm meter	LR2045-S	20mΩ-2000Ω	0.1	± (0.05%of Reading +5Digit)
11	STPL LAB 019	High Voltage Tester (Digital Breakdown Tester)	HV 1020	0-10kV (DC), 20mA (DC)	0.01kV DC/ 0.01mA DC	>80% Test Voltage
	STPL LAB 019-A	Hour Meter	NE53/6S	0-99999 Hrs	0.1 Hrs	±5%
12	STPL LAB 020	Torsion Testing Equipment (Counter)	--	0-99999 Count	1°Count	±108°/m
13	STPL LAB 024	Splash water test chamber (Pressure Gauge)	--	0-90 PSI	2PSI	±1%
	STPL LAB 024-A	Rota Meter		18 LPM	1 LPM	±5%
	STPL LAB 024-B	Rota Meter		4 LPM	0.25 LPM	±5%
14	STPL LAB 025	AC HIGH VOLTAGE TEST SET	--	0-10 kV AC	0.1 kV AC	>80% Test Voltage
	STPL LAB 025-A	AMMETER	--	0 to 2.5 A AC	0.01A	±1%
	STPL LAB 025-B	Digital Timer	-	0-999 Sec	1Sec	±0.5%
15	STPL LAB 027	Voltage / Current Calibrator (Variable mA Source)	--	0-19.99 mA	0.01mA	±0.25%
16	STPL LAB 028	Flammability Test Apparatus (Temperature Controller)	TC4S	0-1200°C	1°C	±10°C
	STPL LAB 028-A	LPG Pressure Gauge	--	0-4.2Kg/cm ²	0.1Kg/cm ²	±0.25%
		Rota Meter	--	10-1000LPM	--	±5%
	STPL LAB 028-B	Air Pressure Gauge	--	0-4.2Kg/cm ²	0.1Kg/cm ²	±0.25%
		Rota Meter	--	2-20LPM	--	±5%
	STPL LAB 028-C	Timer	--	0-999.99 Hrs	0.01Hrs	±5 Sec
17	STPL LAB 029	Heavy Steam Pressure Gauge	--	0 - 14 Kg/cm ²	0.2 Kg/cm ²	±3%
18	STPL LAB 030	Infrared Spectrometer(FT - IR)	SPECTRUM TWO	--	--	As per 'Mfg
19	STPL LAB 031	Uni-Axial Tensile Testing Machine	TTM-2	0 -500N	2N	±0.5%
20	STPL LAB 032	Uni - axial Testing Machine	TTM 2E	0 - 5000kg	2,5,10 kg	±1%

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21	STPL LAB 036	Infrared Thermometer	59 Max+	-30 to 500°C	0.1°C	±2°C
22	STPL LAB 037	Toxicity Index Equipment (Temp. controller)	TZN 4S	0 - 1200°C	1°C	±50°C
23	STPL LAB 038	Glass Thermometer	-	0-360°C	2°C	2°C
24	STPL LAB 039	Ozone Test Apparatus				
		Temperature controller with sensor (Ozone Test Apparatus)	DTC 303	0 - 200°C & 0-100%RH	1°C & 1%RH	±2°C
	STPL LAB 039-A	Analog Timer (Hour/Meter)	MTT7/HZ	0-99999.99 Hrs	0.01 Hrs	±1 %
	STPL LAB 039-B	Humidity Chamber	DTC 303	0 - 200°C & 0-100%RH	1°C & 1%RH	±5 %
	STPL LAB 039-C	Pressure Gauge	--	0 - 10 Kg/cm ²	0.2 Kg/cm ²	±3 %
	STPL LAB 039-D	Digital DC Ammeter	PD 37	0 - 100A AC / 1600 ppm	1 AAC	±1%
	STPL LAB 039-E	Rota Meter	-	1-10LPM	0.5 LPM	±3 %
25	STPL LAB 040	Halogen Acid Gas Test Apparatus (Temperature controller)	--	0-1200°C	1°C	±10°C
26	STPL LAB 041	Apparatus for Breaking Capacity	--			
		RPM		0-15 rpm	--	±5%
	STPL LAB 041-A	Counter		0-9999 Count	1Count	±5%
27	STPL LAB 042	Critical Oxygen Test Apparatus (Temperature Controller With Sensor)	TZN 4S	Amb to -400°C	1°C	±1 %
	STPL LAB 042-A	Rota Meter	-	2-24 LPM	-	±3 % Full Scale
	STPL LAB 042/P-1	Pressure Gauge	-	0-25 kg/cm ²	0.5 kg/cm ²	±2%
	STPL LAB 042/P-2	Pressure Gauge	-	0-25 kg/cm ²	1 kg/cm ²	±2%
	STPL LAB 042/P-3	Pressure Gauge	-	0-250 kg/cm ²	10 kg/cm ²	±2%
28	STPL LAB 043	Smoke Density Apparatus (Pressure Gauge)	--	0- 4.2 kg/cm ²	0.1 Kg/cm ²	±0.25%
	STPL LAB 043-A	Digital DC Voltmeter	--	3-7.30 V DC	0.01 V DC	Anolog ±3%
	STPL LAB 043-B	LUX Meter	--	0-100%	--	±5% Mfg
29	STPL LAB 045	Freezer	TZ4ST	Ambient to -70 °C	0.1°C	±2°C
	STPL LAB 045-A	Timer	DS 271	0-999 min	1 min	±3%
	STPL LAB 045-B	RPM	RC2100	98 RPM	1RPM	±5%
	STPL LAB 045-C	Counter	RC 102	0-99999 Count	1 Count	±5%
30	STPL LAB 048	Oxygen Air Bomb Test Apparatus (Pressure Gauge)	--	0-42kg/cm2	1 kg/cm ²	±0.25%
	STPL LAB 048-A	Oxygen Air Bomb Test Apparatus(Temperature Controller)	--	0-250 °C	1°C	±2.5% Mfg
31	STPL LAB 050	Digital PH Meter	H198129	0.00-14.00pH	0.01pH	±1 %
	STPL LAB 050-A	Digital TDS Meter		0-2000 ppm	1ppm	±2%

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32	STPL LAB 052	Xenon lamp Sun Simulation Test Chamber				
		Temperature controller with sensor	YXL-400	0 - 100 °C 0 - 100%RH	0.01 °C/0.1%RH	±10°C
	STPL LAB 052-A	Humidity chamber (Temperature controller with sensor)				±2°C & ±3°C
	STPL LAB 052-B	Digital Timer				±5 Sec
	STPL LAB 053-C	Lux				±5% Mfg
33	STPL LAB 056	Abbrasion Resistance Tester (rpm)	--	0-100 rpm	--	±5%
	STPL LAB 056-A	Abbrasion Resistance Tester (Digital Counter)	XC 200-NX	0- 999999 Count	1 Count	
34	STPL LAB 057	Steel Scale	--	0 - 1000mm	0.5,1 mm	±0.05mm
35	STPL LAB 058	High Voltage Tester (DC)	--	0 to 3 kV	0.05 kV	>80% Test Voltage
	STPL LAB 058-A	Milli Ampere Meter	--	0 to 50 mA	1 mA	±1%
	STPL LAB 058-B	Digital Timer	-	0-99999.99 Hours	0.01 Hrs	±5 Sec
36	STPL LAB 061	Digital Stop watch	-	0 to 24Hrs.	1/100 Sec, 1Sec	±5 Sec
37	STPL LAB 065	Lux Meter	LX 1010B	0-50000 lux	1,10,100 Lux	±5% Mfg
38	STPL LAB 066	Digital Sound Level Meter	SL-4010	35 - 130dB	0.1dB	±2 dba
39	STPL LAB 070	Digital Vernier Caliper	-	0-150 MM	0.01 mm	±30µm
40	STPL LAB 073	Digital Micrometer	-	0-25 MM	0.001 mm	±4µm
41	STPL LAB 075	Dust Test Champer (Temperature Controller with Sensor)	YSDT-1000	5 to 50°C	0.1°C	±10°C
42	STPL LAB 079	ELECTRICAL STRIPPING MACHINE	ST-8615W	0 -500N	0.01 N	±0.5%
	STPL LAB 079-A	STEEL SCALE		0 -390 mm	0.5 mm	±0.5%
43	STPL LAB 081	Temperature Humidity Data Logger	HTC	-40 TO70°C& 0 t0100% RH	0.1°C/0.1%	±0.5%
44	STPL LAB 097	AC HIGH VOLTAGE TESTER	-	0-5kV AC / 10kV AC	0.1 kV (AC)	±2%
45	STPL LAB 097-A	AMMETER	-	0-100Amps/5A	0.01A	±0.5mA
46	STPL LAB 097-B	Digital Timer	-	0-999Sec	1Sec	±5 Sec
47	STPL LAB 111	Dielectric Break down Tester	--	0-50kV (AC) 0-5 mA(AC)	0.1 kV (AC) 0.1 mA(AC)	>80% Test Voltage
	STPL LAB 111-A	High Voltage Rectifier (AC to DC Converter)	--	0-50kV (DC)	1kV (DC)	±2%
	STPL LAB 111-B	Timer	CT4S-1D	0-9999 Sec	1 Sec	±5 Sec
48	STPL LAB 130	Abbrasion Resistance for DMDE				±5%
		RPM	--	15 rpm	--	
	STPL LAB 130-A	Counter	--	0-9999 Count	1 Count	
49	STPL/LAB/133	Insulation Tester	1507	Multi Range	--	±2%
50	STPL LAB 135	Digital Milli Volt Drop Meter	DPM 35	0-1500 A DC/75mV	1 A DC	±1%

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51	STPL LAB 156	Digital Oscilloscope	DSOX2022A	Voltage : 100-240V Frequency : 100MHz Power : 5W Max.	--	--
52	STPL LAB 157	Water Bath (Temperature Controller with Sensor)	-	Amb to 100°C	1°C	±2.2°C
53	STPL LAB 158	AC/DC/IR HIPOT TESTER (CHROMA)	19052	AC: 150VA(5kV, 30mA) DC: 60VA(6kV, 10mA) IR: 0.1MΩ ~ 50GΩ & 50V ~1000V	--	>80% Test Voltage
54	STPL LAB 159	Super Megohm Meter	SM 8220	10 ¹ MΩ to 10 ⁸ MΩ	--	±50V
55	STPL LAB 162	Digital LCR Meter	DE-5000	Resistance-200Ω to 2000MΩ DC Voltage:0-20V Inductance:200μH-10H Capacitance: 2nF	--	±2 %nf
56	STPL LAB 163	Fire Test Apparatus (VW-1)				
		Digital Counter	XC22B	0-9999 Count	1 Count	±5%
	STPL LAB 163-A	Digital Timer	LE 3SA	0-999 Sec	1 Sec	±5Sec
	STPL LAB 163-B	Digital Timer	LE 3SA	0-999 Sec	1 Sec	±5Sec
	STPL LAB 163-C	Digital Timer	LE 3SA	0-999 Sec	1 Sec	±5Sec
57	STPL LAB 164	Srico WaterBath (Temprature controller with sensor)	PID 330	Amb -100°C	1°C	±2°C
58	STPL LAB 167	Flammability Test (Timer)	XT 546	0-999 Sec	1 Sec	-
59	STPL LAB 168	Shore Harness Tester	HT-6510	0-100° Shore	1°C Shore	<1% H
60	STPL LAB 176	Forced Conversion Ageing Oven(Temperature Controller)	ST-9606F	0-250deg C	0.1°C	±2°C
	STPL LAB 176-A	Digital Timer	DHC 6A	0-24 Hrs	1 min	±5 Sec
61	STPL LAB 179	High Voltage Tester (AC)	--	0-30kV AC	0.01 kV AC	>80% Test Voltage
	STPL LAB 179-A	Timer	--	0-999Sec	1 Sec	5 Sec
62	STPL LAB 180	Fluke Meter (Digital Multimeter)	15B	--	--	As per Mfg
63	STPL LAB 185	Thermal Ageing Oven	TC533	Amb to 300°C	0.1°C	±2°C
	STPL LAB 185-A	Analog Timer	-	0-99999.59 hrs	0.01 Hrs	±5 Sec
64	STPL LAB 188	Network Analyzer	E5071A	300kHz to 8.5 GHz	-	Mfg

Note: i) Only few Test equipment are mentioned above.

ii) Our Quality control and R&D Labouratory have independent in-house testing facilities