

Test Equipment/Chemicals	Identification Numbers	Least Count and Range	Valid Calibration	Tests Used	Clause Reference	Remarks
Voltmeter with finger set	1	0.01V, 9.99 V	28.12.21	Protection against access to live parts	Cl. 8 & 21 of IS 302-2-3	Finger Test, Lab MTP
Voltmeter	2	0.1V, 0-600V	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Lab MTP
Ammeter	3	0.01A, 0-20A	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Lab MTP
Wattmeter	4	1W, 0-5000W	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Lab MTP
Temperature Controller	5	Ambient to 350°C, 1°C	28.12.21	Temperature Rise	Cl.11 of IS 302-2-3	
IR Meter	6	NA, 2 - ∞ MΩ	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Lab MTP
Mili ampere Meter	7	0.01mA, 0-20mA	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Lab MTP
Micro ampere Meter	65	0.1uA, 0-500uA	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Lab MTP
Frequency Meter	70	0.01Hz, 45-60Hz	28.12.21			Lab MTP
kv Meter	8	0.01kv, 0-3kv	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	
Stopwatch	9	0.01Sec, 0-24Hr	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	
Dig. Temp Controller	10	0.1°C, 0-99.9°C	28.12.21	Moisture Resistance / Resistance to Rusting	Cl. 15 & 31 of IS 302-2-3	Humidity Chamber
Dig. Hygrometer	11	1%Rh, 0-99%Rh	28.12.21	Moisture Resistance / Resistance to Rusting	Cl. 15 & 31 of IS 302-2-3	Humidity Chamber
Hour Meter	12	0.01Hr, 0-99999.99Hr	28.12.21	Moisture Resistance / Resistance to Rusting	Cl. 15 & 31 of IS 302-2-3	Humidity Chamber
Metal Foil HV Test Supply	13				Cl. 16 of IS 302-2-3	
Test Corner, Felt Strips, Copper/Brass disc	14			Abnormal Operation	Cl. 19 of IS 302-2-3	
Angle D	16	0.5°, 180°	28.12.21	Stability & Mechanical hazard	Cl. 20 of IS 302-2-3	Inclined Test Apparatus
Spring Hammer	17	0.5J, 0-5 J	28.12.21	Mechanical Strength	Cl. 21 of IS 302-2-3	
Dig Volt Meter	21	0.1V, 0-500V	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 180°
Dig Ampere Meter	22	0.01A, 0-20A	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 180°
Dig Preset Counter Meter	23	1C, 999999C	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 180°
Dig Volt Meter	24	0.1V, 0-500V	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 90°
Dig Ampere Meter	25	0.01A, 0-15A	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 90°
Dig Preset Counter Meter	26	1C, 999999C	28.12.21	Internal Wiring	Cl. 23 of IS 302-2-3	Flexing Test Apparatus 90°
Micro Ohm Meter	29	0-19.9 ohm, Variable	28.12.21	Construction, Clearance, Creepage & Solid Insulation	Cl. 22 & 29 of IS 302-2-3	
Filler Gauge	34	0.03, 0.03 - 1mm	28.12.21	Clearance, Creepage & Solid Insulation	Cl. 29 of IS 302-2-3	
Voltmeter ECRT	31	0.01V, 9.99 V	28.12.21	Provision for Earthing	Cl. 27 of IS 302-2-3	
Ammeter ECRT	32	0.1A, 0-30A	28.12.21	Provision for Earthing	Cl. 27 of IS 302-2-3	
Vernier Caliper	35	0.02mm, 0-300mm	28.12.21	Clearance, Creepage & Solid Insulation	Cl. 29 of IS 302-2-3	
Micrometer	36	0.001, 0-25mm	28.12.21	Clearance, Creepage & Solid Insulation	Cl. 29 of IS 302-2-3	
Dig Ampere Meter	37	0.1A, 0-200A	28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	Glow wire Apparatus
Dig Temperature Controller	38	1°C, 0-1200°C	28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	Glow wire Apparatus
Dig Timer Controller	39	0.1Sec, 0-99.9 Sec	28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	Glow wire Apparatus
Dig Temperature Controller	40	0.1°C, 0-300°C	28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	Electric Hot air Oven
Analog Hour Meter	41	0.01Hr, 0-99999.99Hr	28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	Electric Hot air Oven
Ball Pressure Apparatus	42		28.12.21	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	
Travelling Microscope	43	0.01mm, 0-150mm	26.03.22	Resistance to Heat & Fire	Cl. 30 of IS 302-2-3	
Digital Volt Meter	46	0.1V, 0-300V	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 20 fall
Dig Ampere Meter	47	0.01A, 0-5A	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 20 fall
Dig Preset Counter Meter	48	1C, 999999C	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 20 fall
Digital Volt Meter	49	0.1V, 0-300V	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 5 fall
Dig Ampere Meter	50	0.01A, 0-5A	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 5 fall
Dig Preset Counter Meter	51	1C, 999999C	28.12.21	Drop Test	Cl. 16.2 of IS 366	Drop Test Apparatus 5 fall

Digital Temperature Indicator	52	0.1°C, 0-600°C	28.12.21	Measurement of Heating up Time, Measurement of Sole Plate temperature, Measurement of Temperature distribution, Measurement of initial overswing Measurement of cyclic fluctuation of temperature	Cl.10, 11, 12 ,13, 14 of IS 366	Iron Temperature distribution System 5 Sensor
Digital Temperature Indicator	53	0.1°C, 0-600°C	28.12.21	Measurement of Heating up Time, Measurement of Sole Plate temperature, Measurement of Temperature distribution, Measurement of initial overswing Measurement of cyclic fluctuation of temperature	Cl.10, 11, 12 ,13, 14 of IS 366	Iron Temperature distribution System 1 Sensor
Digital Voltmeter	54	0.1V, 0-600V	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Digital Ampere meter	55	0.01A, 0-20A	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Digital Counter meter	56	1C, 999999C	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Digital timer On/Off	57	0.1min, 999.9min	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Digital Watt Meter	58	1W, 2000W	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Hour Meter	59	0.01Hr, 0-99999.99Hr	28.12.21	Endurance Test	Cl. 16.1 of IS 366	Endurance Test Panel
Dead Weight	27		28.12.21	Supply connection & External Flexible cords	Cl. 25 of IS 302-2-3	Cord Grip Test Appratus
Measuring Tape	28	1mm, 0-3000 mm	28.12.21	Supply connection & External Flexible cords	Cl. 25 of IS 302-2-3	
Micro Ohm Meter	25	0-19.90hm	28.12.21	Supply connection & External Flexible cords	Cl. 25 of IS 302-2-3	
Torque Screw Driver	30	0.2 nm,0.1-1.5 nm	28.12.21	Terminals for external conductor	Cl. 26 of IS 302-2-3	
Torque Wrench	33	0.5nm, 3-14nm	28.12.21	Screw & Connection	Cl. 28 of IS 302-2-3	
Voltmeter	60	0.1V, 0-300V	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Line Testing Panel
Ammeter	61	0.01A, 0-30A	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Line Testing Panel
Wattmeter	62	1W, 0-6000W	28.12.21	Power Input & Current	Cl.10 of IS 302-2-3	Line Testing Panel
Mili ampere Meter	63	0.01mA, 0-20mA	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Line Testing Panel
Micro ampere Meter	64	0.1uA, 0-500uA	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Line Testing Panel
Voltmeter ECRT	66	0.01V, 9.99 V	28.12.21	Provision for Earthing	Cl. 27 of IS 302-2-3	Line Testing Panel
Ammeter ECRT	67	0.1A, 0-30A	28.12.21	Provision for Earthing	Cl. 27 of IS 302-2-3	Line Testing Panel
IR Meter	68	NA,2 - ∞ MΩ	28.12.21	Leakage Current & Electric Strength at operating Temperature	Cl.13 of IS 302-2-3	Line Testing Panel
Frequency Meter	69	0.01Hz, 45-60Hz	28.12.21			Line Testing Panel
Thermohygro Meter	71	0.1°C, 1%RH, -50 - 70°C, 10 - 99%RH	28.12.21			Lab ambient & Humidity
Measuring Cylinder	72	1ml, 0-100 ml	26.03.22	Resistance to rusting	Cl. 31 of IS 302-2-3	
Ammonium Chloride	73			Resistance to rusting	Cl. 31 of IS 302-2-3	
Carbon Tetrachloride	74			Resistance to rusting	Cl. 31 of IS 302-2-3	