

Calibration Charges: DP No. (1.03) DP Name: (Temperature & Humidity Metrology) (w.e.f. 01.04.2025)												EDC	
Sl. No	Parameter	Item Type / Group	Item Name	Alias Name	Range	No. of Points for Calibration	Limitation / Condition	Charges per Item Rs.	Additional Charges Rs.	Description for Additional Charges	Remarks, if any	Normal	Tatkal
Platinum Resistance Thermometers (PRT)													
1	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT/ HTPRT / Capsule SPRT	Triple Point of Water 0.01 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	19400				3 Weeks	10 Days
2	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / HTPRT / Capsule SPRT	MP of Gallium, 29.7646 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	19400				3 Weeks	10 Days
3	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / HTPRT / Capsule SPRT	FP of Indium,156.598 5 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	24400				3 Weeks	10 Days
4	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT/ HTPRT	FP of Tin, 231.958 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	24400				3 Weeks	10 Days
5	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT/ HTPRT	FP of Zinc, 419.527 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	24400				3 Weeks	10 Days
6	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT/ HTPRT	FP of Al ,660.323 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	29100				3 Weeks	10 Days
7	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	HTSPRT	FP of Silver, 961.78 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	69400				3 Weeks	10 Days
8	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / Capsule SPRT	TP of Mercury, - 38.8344 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	24400				3 Weeks	10 Days
9	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / Capsule SPRT	TP of Argon, - 189.3442 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	29100				3 Weeks	10 Days

10	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / Capsule SPRT	B.P of Liquid Nitrogen, -195.798 °C	1	Stem Dia <=7.5 mm, Stem Length >=450 mm	19400				3 Weeks	10 Days
11	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / Capsule SPRT	0°C to -196 °C by Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	53200				3 Weeks	10 Days
12	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT / Capsule SPRT	0.01°C to -189.3442 °C by Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	55700				3 Weeks	10 Days
13	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	-38.8344°C to 29.7646 °C by Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	48400				3 Weeks	10 Days
14	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	0°C to 29.7646 °C by Fixed Point method	2	Stem Dia <=7.5 mm, Stem Length >=450 mm	32300				3 Weeks	10 Days
15	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	0°C to 156.5985 °C by Fixed Point method	2	Stem Dia <=7.5 mm, Stem Length >=450 mm	32300				3 Weeks	10 Days
16	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	0°C to 231 °C by Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	44500				3 Weeks	10 Days
17	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	0°C to 420 °C by Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	44500				3 Weeks	10 Days
18	Temperature	Platinum Resistance Thermometer	Standard Platinum Resistance Thermometer	SPRT	0°C to 660 °C by Fixed Point method	4	Stem Dia <=7.5 mm, Stem Length >=450 mm	64600				3 Weeks	10 Days
19	Temperature	Platinum Resistance Thermometer	High Temp. Platinum Resistance Thermometer	HTPRT	0°C to 962 °C by Fixed Point method	5	Stem Dia <=7.5 mm, Stem Length >=450 mm	111500				3 Weeks	10 Days
20	Temperature	Platinum Resistance Thermometer	Semi Standard Platinum Resistance Thermometer	PRT (PT-100/25)	0°C to -196 °C by Secondary Fixed Point method	3	Stem Dia <=7.5 mm, Stem Length >=450 mm	37100				3 Weeks	10 Days
21	Temperature	Platinum Resistance Thermometer	Semi Standard Platinum Resistance Thermometer	PRT (PT-100/25)	-38.84°C to 29.76 °C by Secondary Fixed Point method	3	Stem Dia, <=7.0 mm, Stem Length >=450 mm	26600				3 Weeks	10 Days

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33	Temperature	Precision Glass Thermometer	Liquid in Glass Thermometer (Mercury/Alcohol) (Least Count 0.01, 0.02 & 0.05 °C	LIGT	-90°C to 300°C	5	Stem Length <=450 mm	28800	5800	For each additional point		3 Weeks	10 Days
34	Temperature	Precision Glass Thermometer	Liquid in Glass Thermometer (Mercury/Alcohol) (Least Count 0.1°C to 1°C	LIGT	-90°C to 300°C	5	Stem Length <=450 mm	14000	2800	For each additional point		3 Weeks	10 Days
35	Temperature	Glass Thermometer	Liquid in Glass Thermometer	LIGT	0°C to 400°C	5	Stem Length <=450 mm	35000	7000	For each additional point		3 Weeks	10 Days
36	Temperature	Specialized Thermometer	Quartz Thermometer	QT	0 °C to 300 °C	5	Stem Length <=450 mm	35000	7000	For each additional point		3 Weeks	10 Days
37	Temperature	Digital Thermometer	High Precisiom Thermometer	Digital Thermometer with Sensor probe	-90°C to 300°C	5		30000	6000	For each additional point		3 Weeks	10 Days
38	Temperature	Specilized Thermometer	Brix Hydrometer (Thermometer)		0 °C to 50 °C	5		27000	5400	For each additional point		3 Weeks	10 Days
Thermocouples (Noble & Base Metal TCs)													
39	Temperature	Standard TC	Noble Metal Thermocouple (Bare Wires)	Type S, R, B, Pt/Au, Pt/Pd	0°C to 1200 °C	5	Wire Length >=1250 mm, Dia. <=0.5 mm	51800	10400	For each additional point		3 Weeks	10 Days
40	Temperature	Standard TC	Noble Metal Thermocouple (Probe) with or without indicator	Type S, R, B, Pt/Au, Pt/Pd	0°C to 1200 °C	5	Probe / Sheath Length >=600 mm, Dia. <=7.5 mm	42800	8600	For each additional point		3 Weeks	10 Days
41	Temperature	Base Metal TC	Base Metal Thermocouple probe with or Without Indicator	Base Metals	0°C to 1200 °C	5	Probe / Sheath Length >=600 mm, Dia. <=7.5 mm	35000	7000	For each additional point		3 Weeks	10 Days
42	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	Ice Point 0.000°C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	8500				3 Weeks	10 Days
43	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP In 156.5985°C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	23500				3 Weeks	10 Days
44	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP Sn 231.928 °C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	23500				3 Weeks	10 Days
45	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP Zn 419.527°C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	23500				3 Weeks	10 Days
46	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP Al 660.323°C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	30200				3 Weeks	10 Days

47	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP Ag 961.78°C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	35000				3 Weeks	10 Days
48	Temperature	Standard TC	Noble Metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	MP Au 1064.18°C (wire-bridge)	1	Sensor Length >=600 mm, Dia. <=7.5 mm	25300				3 Weeks	10 Days
49	Temperature	Standard TC	Noble metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	FP Cu 1084.62 °C	1	Sensor Length >=600 mm, Dia. <=7.5 mm	35000				3 Weeks	10 Days
50	Temperature	Standard TC	Noble metal Thermocouple	Type S, R, B, Pt/Au, Pt/Pd	MP Pd 1554.5 °C (wire-bridge)	1	Sensor Length >=600 mm, Dia. <=7.5 mm	35000				3 Weeks	10 Days
51	Temperature	Standard TC	Noble metal Thermocouple (probe / sheath) with or without Indicator	Type S, R, B, C, Pt/Au, Pt/Pd	0°C to 1600 °C	5	Sensor Length >=600 mm, Dia. <=7.5 mm	65500	13100	For each additional point		3 Weeks	10 Days
52	Temperature	Standard TC	Noble metal Thermocouple (bare wires)	Type S, R, B, C, Pt/Au, Pt/Pd	0°C to 1600 °C	5	Wire Length >=1250 mm, Dia. <=0.5 mm	70200	14040	For each additional point		3 Weeks	10 Days
53	Temperature	Standard TC	Noble metal Thermocouple (probe / sheath)	Type S, R, B, Pt/Au, Pt/Pd	Fixed Point Calibration (0°C to 1200 °C)	3 (Fixed points) (Zn,Al,Ag/Cu)	Sensor Length >=600 mm, Dia. <=7.5 mm	88800				3 Weeks	10 Days
54	Temperature	Standard TC	Noble metal Thermocouple (Bare wires)	Type S, R, B, Pt/Au, Pt/Pd	Fixed Point Calibration (0°C to 1200 °C)	3 (Fixed points) (Zn,Al,Ag/Cu)	Sensor Length >=600 mm, Dia. <=7.5 mm	93800				3 Weeks	10 Days
55	Temperature	Standard TC	Noble metal Thermocouple (probe / sheath)	Type S, R, B, C, Pt/Au, Pt/Pd	Fixed Point Calibration (0°C to 1600 °C)	3 (Fixed points) (Zn,Ag/Cu, Pd)	Sensor Length >=600 mm, Dia. <=7.5 mm	94000				3 Weeks	10 Days
56	Temperature	Standard TC	Noble metal Thermocouple (bare wires)	Type S, R, B, C, Pt/Au, Pt/Pd	Fixed Point Calibration (0°C to 1600 °C)	3 (Fixed points) (Zn,Ag/Cu, Pd)	Wire Length >=1250 mm, Dia. <=0.5 mm	100000				3 Weeks	10 Days
57	Temperature	High Temperature Indicator	Datalogger with Multiple Sensor (Up to 9 Sensors)		-50°C to 1600 °C	5	Probe Length >=600 mm, Dia.<=7.5 mm for range above 700 °C	82600	16500	For each additional point		3 Weeks	10 Days
Radiation Thermometers (Pyrometers, Thermal Imagers, TS Lamp, Black Body)													
58	Temperature	Non Contact Temperature Measuring Device	Radiation Pyrometer/Thermal Imager/Laser gun pyrometer	IR Pyrometer/ TRT Pyrometer/ IR Thermal Imaging	50°C to 1300 °C	5	Emissivity and Distance may be specified, along with catalog	46100	9200	For each additional point		3 Weeks	10 Days
59	Temperature	Non Contact Temperature Measuring Device	Radiation Pyrometer/Thermal Imager/Laser gun pyrometer	IR Pyrometer/ TRT Pyrometer/ IR Thermal Imaging	-40°C to 1300°C	5	Emissivity and Distance may be specified, along with catalog	53000	10600	For each additional point		3 Weeks	10 Days

60	Temperature	High Temperature Measuring Device	Optical Pyrometer	Disappearing Filament Pyrometer / Spectral Pyrometer	800°C to 1700 °C	5	New Batteries Recommended	47600	9500	For each additional point		3 Weeks	10 Days
61	Temperature	High Temperature Measuring Device	Optical Pyrometer	Disappearing Filament Pyrometer / Spectral Pyrometer	800°C to 2200 °C	5	New Batteries Recommended	96800	19400	For each additional point		3 Weeks	10 Days
62	Temperature	High Temperature Measuring Device	Optical Pyrometer	Disappearing Filament Pyrometer / Spectral Pyrometer	1600°C to 2200 °C	5	New Batteries Recommended	52300	10500	For each additional point		3 Weeks	10 Days
63	Temperature	High Temperature Radiation Source	Tungsten Strip Filament Lamp	TS Lamp	800°C to 1700 °C	5	Standard Lamp Holder is required	53900	10800	For each additional point		3 Weeks	10 Days
64	Temperature	High Temperature Radiation Source	Tungsten Strip Filament Lamp	TS Lamp	1600°C to 2200 °C	5	Standard Lamp Holder is required	58500	#VALUE!	For each additional point		3 Weeks	10 Days
65	Temperature	High Temperature Radiation Source	Tungsten Strip Filament Lamp	TS Lamp	800°C to 2200 °C	5	Standard Lamp Holder is required	109100	21800	For each additional point		3 Weeks	10 Days
66	Temperature	Non Contact Temperature Measuring Device	Radiation Pyrometer/Thermal Imager/Laser gun pyrometer	IR Pyrometer/ TR Pyrometer/IR Radiation Imaging Pyrometer	600°C to 2000 °C	5	New Batteries, operational manual, mounting stand Recommended	91300	18300	For each additional point		3 Weeks	10 Days
67	Temperature	Non Contact Temperature Measuring Device	Radiation Pyrometer/Thermal Imager/Laser gun pyrometer	IR Pyrometer/ TR Pyrometer/IR Radiation Imaging Pyrometer	2000°C to 3000 °C	3	New Batteries, operational manual, mounting stand Recommended	143000	47700	For each additional point		3 Weeks	10 Days
Relative Humidity (Hygrometers, Dew/Frost Point Meters, Air Temperature) & Moisture (% MC meters)													
68	Humidity	Ambient Conditions Monitoring Device	Relative Humidity Hygrometer	Dial/digital RH/ Hygrometer	10% to <20% at one temperature point from 10 °C to 60 °C (Humidity only)	3	New Batteries Recommended	10200	3400	For each additional point		3 Weeks	10 Days
69	Humidity	Ambient Conditions Monitoring Device	Relative Humidity Hygrometer	Dial/digital RH/ Hygrometer	40% to 60% at one temperature point from 10 °C to 60 °C (Humidity only)	3	New Batteries Recommended	13000	4300	For each additional point		3 Weeks	10 Days

70	Humidity	Ambient Conditions Monitoring Device	Relative Humidity Hygrometer	Dial/digital RH/ Hygrometer	20% to 95% at one temperature point from 10 °C to 60 °C (Humidity only)	5	New Batteries Recommended	26200	5200	For each additional point		3 Weeks	10 Days
71	Humidity	Ambient Conditions Monitoring Device	Relative Humidity Hygrometer	Dial/digital RH/ Hygrometer	10% to 95% at one temperature point from 10 °C to 60 °C (Humidity only)	5	New Batteries Recommended	31200	6200	For each additional point		3 Weeks	10 Days
72	Humidity	Ambient Conditions Monitoring Device	Air Temperature Hygrometer	Dial/digital RH/ Hygrometer	0°C to 10°C at humidity @ fixed RH(Temperature only)	3	New Batteries Recommended	15000	5000	For each additional point		3 Weeks	10 Days
73	Humidity	Ambient Conditions Monitoring Device	Air Temperature Hygrometer	Dial/digital RH/ Hygrometer	10°C to 60°C at humidity @ fixed RH (Temperature only)	5	New Batteries Recommended	25000	5000	For each additional point		3 Weeks	10 Days
74	Humidity	Ambient Conditions Monitoring Device	Dew Point/ Frost Point Temperature	Dew Point Meter	-30°C to 60°C	3	New Batteries Recommended	39100	13000	For each additional point		3 Weeks	10 Days
75	Humidity	Humidity Sources	Humidity Chamber/ Climatic Chamber/ Lab Incubators	Humidity Chamber/ Climatic Chamber	10% to 95% RH	3	Consumables to be Provided by customer	77000	25700	For each additional point		3 Weeks	10 Days
76	Humidity	Digital Humidity Sensor (Batch of 9 Sensors)	Relative Humidity Sensor	Dial/digital RH/ Hygrometer	10% to 95% at one temperature point from 10 °C to 70 °C (Humidity only)	5	New Batteries Recommended	124900	25000	For each additional point	Charges for Batch up to Nine Sensors	3 Weeks	10 Days
77	Moisture	Digital Moisture Meter	Moisture Sensor with Display	Digital/Electrical type moisture meter	0% to 100% MC	3	New Batteries Recommended	25300	8400	For each additional point	Moisture meter along with 3 pack of same sample supplied by customer	3 Weeks	10 Days
Thermal Sources (Baths, Dry Blocks, Oven, Chambers, Furnaces, Blackbody Furnaces)													
78	Temperature	Constant Temperature Source	Ice Point Bath	Zeref / Zero Temp Bath / Zero Ref. Source / Ice Point Cell	0.00 °C	1		38500				3 Weeks	10 Days
79	Temperature	Temperature Source	Liquid Temperature Bath (LN ₂ /Alcohol/Water/Oil)	Liquid Baths	-196°C to 300°C	3	Alcohol/DI Water/Oil or Any other fluid to be provided by the customer	48100	16000	For each additional point		3 Weeks	10 Days
80	Temperature	Constant Temperature Source	Salt Bath	Salt Bath	300 °C to 500 °C	3	Salt to be Provided by customer	49600	16500	For each additional point		3 Weeks	10 Days

81	Temperature	Constant Temperature Source	Fluidized Bed Bath	Alumina Bath	50°C to 700 °C	3		50300	16800	For each additional point		3 Weeks	10 Days
82	Temperature	High Temperature Source	Temperature Source	Temperature Source (Dry Block Calibrator/Furnace/Oven/Heating Chamber/Climatic Chamber)	-50°C to 1600 °C	3		79000	26300	For each additional point		3 Weeks	10 Days
83	Temperature	High Temperature Source	Blackbody Furnace	Blackbody Source	50°C to 1600 °C	3		86400	28800	For each additional point		3 Weeks	10 Days
84	Temperature	Non Contact Temperature Measuring Source	Blackbody Radiation Source	Black Body Furnace	50°C to 1300 °C	5		75000	#VALUE!	For each additional point		3 Weeks	10 Days