

Calibration Charges: D1.04 Optical Radiation Metrology (w.e.f 01-04-2021)

(Luminous Flux, Luminous Intensity, Color Temperature, Color Coordinates, Illuminance, Luminance, Irradiance, Illuminance Responsivity, Transmittance, Color & Wavelength, Transmittance/Absorbance/reflectance , Spectral Irradiance,Dispersion angle)

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, any
1	Luminous Flux	Incandescent Lamp	GLS Lamp			1		12400	7900	Per additional identical lamp(i.e. same wattage, CCT, geometry)	
2	Luminous Flux	LED bulb	LED lamp			1		12400			
3	Luminous Flux	Incandescent Lamp	Miniature Lamp			1		12400			
4	Luminous Flux	Incandescent Lamp	Minor's Lamp			1		12400			
5	Luminous Flux	Incandescent Lamp	Auto Lamp of Single Filament		Below 50 W	1		12400			
6	Luminous Flux	Incandescent Lamp	Auto Lamp of Double Filament		Below 70 W	1		16800			
7	Luminous Flux	Gaseous Discharge Lamp	TFL/HPMV Lamp/HPSV Lamp/CFL/Metal Halide etc.			1		12400			
8	Luminous flux	Meter	Luminous Flux meter					46100/-			
9	Luminous Intensity	Light source	GLS Lamp/Tungsten Halogen lamp			1		12400			
10	Color Temperature	Light source	Lamp			1		12400			
11	Color Coordinates	LED	LED bulb/LED panel			1		12400			
12	Color Temperature	Meters / Detectors	Colorimeter / Chromameter/Color Analyser etc.			1		27800	12400	for additional Color coordinates	
13	Color Coordinates	Meters / Detectors	Colorimeter / Chromameter/Color Analyser etc.			1		27800	12400	for additional color temperature	
14	Color temperature & Color Coordinates	LED	LED Panel					24800			
15	Illuminance	Meters / Detectors	Lux Meter/Photometer	Illuminance Meter	1 lx to 2000 lx	1		17000			lx means Lux
16	Illuminance	Meters / Detectors	Lux Meter/Photometer	Illuminance Meter	1 lx to 2000 lx	5		27800			lx means Lux
17	Luminance	Meters / Detectors / Light Sources	Luminance meter/Color Analyser/Luminance source etc.	Luminance	3 to 10E+4 cd/m ²	1		23300			cd/m ² means nit also
18	Luminance	source	Photo luminescent plate	Luminance		Temporal Decay		46100			
19	Illuminance Responsivity	Meters / Detectors	Meter/Detector					32300			
20	Spectral Wavelength	Spectrophotometer	Spectrophotometer		Visible spectrum			46100			
21	Spectral Transmittance/Absorbance/wavelength	Optical Filter	Neutral density Filter/Holmium oxide filter/Glass filter		Visible spectrum	One Parameter	Sample Size: upto	12400			

							50 x 50 x 15 mm				
22	Specular/diffused Reflectance	Tiles/Slide/Glass plate	Tiles/Slide/Glass plate		Visible spectrum	One Parameter	Sample Size: upto 50 x 50 x 15 mm	12400			
23	Wavenumber	Polystyrene Film	Polystyrene Film					26200			
24	Spectral irradiance	Thermal source	FEL Lamp		280-400 nm	Multi Points		49200			At 70 cm
25	Spectral irradiance	Thermal source	FEL Lamp		400-800 nm	Multi Points		49200			At 70 cm
26	Spectral irradiance	Thermal source	FEL Lamp		800-2400 nm	Multi Points		49200			At 70 cm
27	Dispersion/Viewing angle & Intensity	LED/LED Cluster	LED/LED Cluster					33700	12400	for additional Intensity	
28	Beam angle	Single LED	Single LED					27,800			
29	Irradiance	Meters / Detectors / Light Sources	UV chamber/ UV meter/UV lamp	UV C	250-400nm	Single point		26,100			
30	Irradiance	Meters / Detectors / Light Sources	UV chamber/ UV meter/UV lamp	UV C	250-400nm	Multi Points		45,600			upto 10 spat points
31	Wavelength	Meters / Detectors / Light Sources	UV chamber/ UV meter/UV lamp	UV C	250-400nm	Single point		26,100			

Onsite Calibration charges

Goniophotometer with spectroradiometer

Sl. No.	Sample/Items Name	Charges (Rs.)	EDC	
			Normal	Tatkal
1	Goniophotometer for Luminous Flux	66,000/-	Depends on time slot requested by the customer	NA
2	Color temperature	24800/-	Depends on time slot requested by the customer	NA
3	color coordinates	24800/-	Depends on time slot requested by the customer	NA
4	Wavelength (380-780 nm)	64,500/-	Depends on time slot requested by the customer	NA

Integrating Sphere with spectroradiometer

1	Wave Length (380-780 nm)	64,500/-	Depends on time slot requested by the customer	NA
2	Luminous Flux	24,800	Depends on time slot requested by the customer	NA
3	Color Temperature	24,800	Depends on time slot requested by the customer	NA

4	Color Coordinates	24,800	Depends on time slot requested by the customer	NA
5	Luminous Intensity	28,400	Depends on time slot requested by the customer	NA

*	Scientist/Technologist Charges each for per day	7000/-	
*	Instruments Handling Charges	1500/-	