



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF PHYSICS
Fax: (+91) 512-259-0914, Tel.: (+91) 512-259-7563 / 7641
Post office: I. I. T. Kanpur- 208016 (India)

Dr. Asima Pradhan
Professor
Department of Physics, IIT Kanpur
Enquiry no.: IITK/PHY/2016-17/NC-132 (2)

Enquiry date: 30 / 03/2017
Last Date: 20 / 04/2017

Enquiry for spectrometer, white light source, fiber and lens system

We would like to purchase a spectrometer, white light source (with optical fiber connection) fiber and lens system for our laboratory scale experiments. Offered product should take into account specifications given below.

White light source (Tungsten Halogen)	
Wavelength range	350 – 2200nm
Output Power	200 W/m ²
Internal lens assembly	Internal lens assembly to amplify output signal.
Dimensions	1.5" x 3" x 3.5"
Bulb lifetime	+10,000hrs
Fiber connectivity	SMA 905
Quantity	1
Spectrometer	
Dimensions (LxBxH)	Less than 170 x 110 x 60 mm
Architecture	40mm diameter concave grating with aberration correction to provide improved spectral imaging.
Detector	CCD array
Pixels	2048 pixel CCD
Pixel size	14 x 200um
Filter	Integrated Multiband order sorting filter to prevent optical aliasing.
Entrance aperture	25 μ m
Wavelength range	280-900nm
Optical resolution	< 1 nm Resolving Res. with 25um slit
Fiber connector	SMA905 0.22 na single fiber
Detector cooling system	TEC cooling system to cool detector down to 15degree from ambient for improved SNR.
Interface	USB
Quantity	1
Accessories	
1. Optical Fiber	Specifications: (1) Wavelength = UV / Visible (190 – 2200nm), \emptyset inner = 1000 um, length = 2m with SMA connector, Quantity = 2 (2) Wavelength = UV / Visible (190 – 2200nm), \emptyset inner = 600um, length = 2m with SMA connector, Quantity = 3
2. Collimating lens system	Specifications: Wavelength = UV / Visible (190-2200nm), \emptyset = 5mm, focal length = 10mm, collimating lens system with SMA connector, Quantity = 5



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Terms & Conditions:

- 1) Cost of the items including relevant accessories with technical specification should be mentioned in detail
- 2) Prices should include delivery up to IIT Kanpur.
- 3) Warranty should at least be for one year after installation.
- 4) Validity of quotation should be at least for 90 days
- 5) Delivery period: within 45 days from the date of purchase order.
- 6) Kindly send your best offer and the quotation along with your authorized dealer certificate to address given below latest by 20th April 2017 (Technical and Price bid separately).

A handwritten signature in black ink, appearing to read 'Asima Pradhan'.

Prof. Asima Pradhan
Department of Physics
Indian Institute of Technology Kanpur,
Kanpur, UP-208016, India.