

Indian Institute of Technology Kanpur
Department of Biological Sciences and Bioengineering

Enquiry for multiple microscopy components

Enquiry No.: IITK/BSBE/NG/2016-17/MMC

Enquiry Date: 8/12/2016

Closing Date: ~~19/12/2016~~ (Extended to 26/12/2016)

Sealed Quotations are invited for multiple microscopy components as stated below. All parts corresponding to the quotations should be from a single manufacturer for compatibility and maintenance. Any compliance claimed should be supported with necessary data sheet.

S.No.	Item	Description/Specification	Qty
1	cable kit	Faraday Cage Cable Port Kit	2
2	Rigid Stand with Platform	Rigid Stand with Platform, Adjustment Height: 198.1 - 309.3 mm	1
3	Construction Post	Ø12.7 mm Optical Construction Post, SS, M4 Taps	10
4	Kinematic Prism Mount	Kinematic Prism Mount, Eight M4 Taps	8
5	Small Adjustable Clamping Arm	Small Adjustable Clamping Arm, M4 Threaded Post	8
6	Magnetic base	Ø1.25" Magnetic Studded Pedestal Base Adapter, M6 Thread	4
7	Unthreaded Mounting Adapter	Ø1" OD Adapter for Ø1/2" Optic, 0.25" Thick	6
8	Post (Length=20 mm)	12.7 mm diameter stainless steel Optical Post, M4 Setscrew, M6 Tap, L = 20 mm, 5 Pack	4
9	Post (Length=30 mm)	12.7 mm diameter stainless steel Optical Post, M4 Setscrew, M6 Tap, L = 30 mm, 5 Pack	4
10	Post (Length=50 mm)	12.7 mm diameter stainless steel Optical Post, M4 Setscrew, M6 Tap, L = 50 mm, 5 Pack	4
11	Post holder (Length = 30 mm)	Ø12.7 mm Post Holders, Spring-Loaded Hex-Locking Thumbscrew, L=30 mm, 5 Pack	4
12	Post holder (Length = 40 mm)	Ø12.7 mm Post Holders, Spring-Loaded Hex-Locking Thumbscrew, L=40 mm, 5 Pack	4
13	Post holder (Length = 50 mm)	Ø12.7 mm Post Holders, Spring-Loaded Hex-Locking Thumbscrew, L=50 mm, 5 Pack	4
14	Post holder (Length = 75 mm)	Ø12.7 mm Post Holders, Spring-Loaded Hex-Locking Thumbscrew, L=75 mm, 5 Pack	4
15	Rotation platform (1)	Rotation Platform, Metric	2
16	Adapter (1)	Adapter with External SM1 Threads and Internal RMS Threads	4
17	adapter (2)	Adapter with External C-Mount Threads and internal SM1 Threads	2
18	adapter (3)	Adapter with External SM1 Threads and Internal C-Mount Threads	4
19	Retaining ring 2"	SM2 Retaining Ring for Ø2" Lens Tubes and Mounts, 5 Pack	1
20	Kinematic Mirror Mount for Ø2" Optics	Mounts Ø2" Optics at Least 0.16" (4 mm) Thick	4
21	Lens mount for 2" optics	Lens Mount with Retaining Ring for Ø2" Optics, M4 Tap	3
22	Dichroic mirror	Ø2" Longpass Dichroic Mirror, 550 nm Cutoff	2
23	flip mount	Flip Mount Adapter, Metric	8
24	polarizer	Ø25.0 mm Mounted Wire Grid Polarizer, 420-700 nm	2
25	Beamsplitter Cube (1)	50:50 Non-Polarizing Beamsplitter Cube, 400 - 700 nm, 1/2"	4
26	Beamsplitter Cube (2)	50:50 Non-Polarizing Beamsplitter Cube, 400 - 700 nm, 1"	2
27	beam sampler	Ø1/2" UVFS Beam Sampler for Beam Pick-Off, ARC: 350-700 nm, 3 mm Thick	2
28	photodetector (1)	Si Detector, 200-1100 nm, 1 ns Rise Time, 0.8 mm ² , M4 Taps	2
29	photodetector (2)	Si Detector, 350-1100 nm, 43 ns Rise Time, 75.4 mm ² , M4 Taps	3
30	2" lens (1)	N-BK7 Bi-Convex Lens, Ø2", f = 100.0 mm, ARC: 350-700 nm	2
31	2" lens (2)	N-BK7 Bi-Convex Lens, Ø2", f = 60.0 mm, ARC: 350-700 nm	2
32	2" mirror	Ø2" Broadband Dielectric Mirror, 400 - 750 nm	2
33	2" BS plate	Ø2" 50:50 UVFS Plate Beamsplitter, Coating: 400 - 700 nm, t = 8 mm	2
34	Rotation Mount	High-Precision Rotation Mount, M6 and M4 Taps	1
35	Angle Clamps (1)	Right-Angle Clamp for Ø1/2" Posts, 5 mm Hex, 5 Pack	2
36	Angle Clamps (2)	Right-Angle End Clamp for Ø1/2" Posts, M6 Stud and 5 mm Hex, 5 Pack	2
37	Angle Clamps (3)	Right-Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex, 5 Pack	2
38	Angle Clamps (4)	Left-Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex	10
39	UV/VIS Detector Card	wavelength region: 250 - 540 nm; active region dimension: 1.20" x 2.10" (30.5 mm x 53.3 mm)	1
40	VIS/IR Detector Card	wavelength region: 400 - 640 nm; 800 - 1700 nm active region dimension: 1.20" x 2.10" (30.5 mm x 53.3 mm)	2
41	Variable ND Filter;	Mounted Continuously Variable ND Filter, Ø50 mm, OD: 0 - 4.0	1

	OD = 0.0-4.0		
42	Piezoelectric actuators(1)	Max Displacement 15 μ m, 6.5 x 6.5 x 18 mm	3
43	Base Plate	for mounting translation stages; Contains Four 1/4" (M6) Counterbored Slots for Imperial and Metric Compatibility	2
44	Continuous Rotation Mount for \varnothing 1" Optics	Rotation Mount for \varnothing 1" Optics, M4 Tap; Retaining ring included	6
45	Power supply	15 V, 2.4 A Power Supply Unit for One K-Cube or T-Cube	1
46	Motor extension cable	APT DC Servo Motor Cable for Z8 Motors, DE15 Male to DE15 Female, 2.5 m	1
47	Iris 12 mm	Post-mounted iris, 0 to 12 mm aperture	6
48	Alignment Disk	SM1 Series Alignment Disk	2
49	VIS/IR Fluorescing Alignment Disks (Unmounted)	\varnothing 1" VIS and IR Alignment Disk (400 - 640, 800 - 1700 nm)	2
50	Clamping Fork	Short Clamping Fork, 1.24" Counterbored Slot, Universal, Pack of 5	6
51	Studded Pedestal Base Adapter	\varnothing 31.8 mm Studded Pedestal Base Adapter, M6 Thread	30
52	Lens tube (1)	\varnothing 1" stackable lens tube, 1" thread depth, one retaining ring included, 5 pack	2
53	Lens tube (2)	SM1 Lens Tube, 0.50" Thread Depth, One Retaining Ring Included, 5 pack	2
54	Lens tube (3)	SM1 Lens Tube, 2.00" Thread Depth, SM1RR Retaining Ring, 5 Pack	2
55	Lens tube (4)	SM1 Lens Tube, 3.00" Thread Depth, One Retaining Ring Included	5
56	lens tube (5)	SM1 Lens Tube, 4.00" Thread Depth, One Retaining Ring Included	5
57	Iris Diaphragm (2)	Post-mounted iris, 0 to 25 mm aperture	6
58	Slip-on post collar	1/2" slip on post collars	30
59	Precision pinhole (1)	\varnothing 1" Mounted Precision Pinhole, 50 \pm 3 μ m Pinhole Diameter	2
60	Precision pinhole (2)	\varnothing 1" Mounted Precision Pinhole, 100 \pm 4 μ m Pinhole Diameter	2
61	Piezoelectric actuator(2)	Piezoelectric Actuator, Max Displacement 4.6 μ m, 3.5 x 4.5 x 5 mm	3
62	ND filter; OD=2.0	Reflective 25 mm diameter Neutral density filter; Mounted in a 1" threaded mount; Optical Density: 2.0	1
63	ND filter; OD=4.0	Reflective 25 mm diameter Neutral density filter; Mounted in a 1" threaded mount; Optical Density: 4.0	1
64	ND filter; OD=0.5	Reflective 25 mm diameter Neutral density filter; Mounted in a 1" threaded mount; Optical Density: 0.5	1
65	ND filter; OD=1.0	Reflective 25 mm diameter Neutral density filter; Mounted in a 1" threaded mount; Optical Density: 1.0	1
66	Broadband Dielectric Mirrors	10 Pack of \varnothing 1" Broadband Dielectric Mirrors, 400-750 nm	2
67	Kinematic mirror Mount (unthreaded 1")	Mount for 1" diameter Optics. Hardened Steel Inserts. Phosphor Bronze Bushings and Stainless Steel Lead Screws. Fabricated from Black Anodized Aluminum	20
68	Fiber Light Source	High-Intensity Fiber-Coupled Illuminator with 91 cm (36") Long Fiber Bundle	1
69	Gooseneck Y-Bundle	Gooseneck Y-Bundle for OSL2 Fiber Light Source, 51.69 cm (20.35") Legs	1
70	3200 K Replacement Bulb	3200 K Replacement Bulb for OSL2, 1000 Hour Lifetime	5
71	Adapter	SM1-Threaded Adapter for \varnothing 8 mm Cylindrical Components	2
72	Longpass filter (1)	\varnothing 25 mm OG570 Colored Glass Filter, 570 nm Longpass	2
73	Longpass filter (2)	\varnothing 25 mm RG645 Colored Glass Filter, 650 nm Longpass	1
74	Longpass filter (3)	\varnothing 25 mm RG695 Colored Glass Filter, 695 nm Longpass	1

Terms and conditions:

1. All items **must be** supplied by one manufacturer for compatibility during assembly of the experiment.
2. All the items **must be** in metric unit unless otherwise mentioned.
3. A single quote should be made with financial and technical specifications. The sealed envelopes with the quote should be superscribed with the inquiry number.
4. The manufacturer's specification sheets for the products **must be** enclosed.
5. Quotations should not be an exact copy of the specifications mentioned above.
6. Quotations should have a minimum validity of 60 days.
7. The goods should be delivered no later than 60 days from the day of the placement of the order from, IIT-K. Particular importance will be given for prompt delivery of the goods. The delivery period should be specifically stated.
8. Maximum educational discount should be applied – these products will be used for research as well as to teach and train students.
9. The institute reserves the right of accepting and rejecting any quotation without assigning any reason.
10. The indenter reserves the right to cancel the tender without being answerable.

For delivery to IIT Kanpur

1. Quotes should be made for delivery to IIT Kanpur.
2. IIT Kanpur is exempted from payment of Excise Duty under notification no.10/97.
3. IIT Kanpur is entitled to avail concession rate of sales tax as admissible under Sub-sec 5 of Sec 8.
4. C.S.T Act 1956 applicable to Educational/Research institution in inter-state purchase, if supplied from within India.

Address quotations to

Dr. Nitin Gupta

Lab-14

Department of Biological Sciences and
Bioengineering

Indian Institute of Technology, Kanpur

Kanpur, UP 208016, India

Email: guptan@iitk.ac.in

Phone: +91-512-259-4384

Fax: +91-512-259-4010