

List of Instruments

Department of Physics

Please quote as per serial number of the article of this list. Price of the article should be including GST.

Please send relevant papers of your business with the quotations.

Sl. No.	Name of the Article	Specification	Make
1	Apparatus to determine the Height of a Building using a Sextant		OSAW/INCO/Any make
2	Apparatus to determine the Moment of Inertia of a Flywheel		OSAW/INCO/Any make
3	Apparatus to determine the Young's Modulus of a Wire by Optical Lever Method		OSAW/INCO/Any make
4	Apparatus to determine the Elastic Constants of a Wire by Searle's method		OSAW/INCO/Any make
5	Apparatus to determine g by Bar Pendulum		OSAW/INCO/Any make
6	Apparatus to determine g by Kater's Pendulum		OSAW/INCO/Any make
7	Apparatus to determine g and velocity for a freely falling body using Digital Timing		OSAW/INCO/Any make
8	Apparatus to To study the Motion of a Spring and calculate (a) Spring Constant (b) Value of g		OSAW/INCO/Any make
9	Ballistic Galvanometer		OSAW/INCO/Any make
10	Apparatus To determine Self Inductance of a Coil by Rayleigh's Method		OSAW/INCO/Any make
11	Apparatus To compare capacitances using De'Sauty's bridge		OSAW/INCO/Any make
12	Apparatus to Measurement of field strength B and its variation in a Solenoid (Determine dB/dx)		OSAW/INCO/Any make
13	Experimental kit To study the a series LCR circuit		OSAW/INCO/Any make
14	Experimental Kit To study a parallel LCR circuit		OSAW/INCO/Any make
15	Carey foster bridge		OSAW/INCO/Any make
16	Experimental kit for Network theorem: Thevenin theorem, Norton Theorem, Superposition , Maximum theorem		OSAW/INCO/Any make
17	Resistance Box	0-10 ohm	OSAW/INCO/Any make
18	Expt Set up To determine Mechanical Equivalent of Heat, J, by Callender and Barne's		OSAW/INCO/Any make

	constant flow method		
19	Measurement of Planck's constant using black body radiation		OSAW/INCO/Any make
20	Experimental set up To determine Stefan's Constant		OSAW/INCO/Any make
21	Experimental set up To determine the coefficient of thermal conductivity of copper by Searle's Apparatus		OSAW/INCO/Any make
22	Experimental set up To determine the Coefficient of Thermal Conductivity of Cu by Angstrom's Method.		OSAW/INCO/Any make
23	Experimental set up To determine the coefficient of thermal conductivity of a bad conductor by Lee and Charlton's disc method.		OSAW/INCO/Any make
24	Experimental set up To determine the temperature co-efficient of resistance by Platinum resistance thermometer		OSAW/INCO/Any make
25	Experimental set up To study the variation of thermo emf across two junctions of a thermocouple with temperature		OSAW/INCO/Any make
26	Platinum resistance thermometer		OSAW/INCO/Any make
27	Experimental set up (Complete set) to record and analyze the cooling temperature of an hot object as a function of time using a thermocouple and suitable data acquisition system		OSAW/INCO/Any make
28	Apparatus to calibrate Resistance Temperature Device (RTD) using Null Method/Off-Balance Bridge		OSAW/INCO/Any make
29	Experimental set up (complete set) to investigate the motion of coupled oscillators		OSAW/INCO/Any make
30	Experimental set up (complete set) To determine the Frequency of an Electrically Maintained Tuning Fork by Melde's Experiment and to verify $\lambda^2 - T$ Law.		OSAW/INCO/Any make
31	Experimental set up (complete set) To study Lissajous Figures		OSAW/INCO/Any make
32	Spectrometer	vc=20 sec	OSAW/INCO/Any make
33	Experimental set up (complete set) To determine the Coefficient of Viscosity of water by Capillary Flow Method (Poiseuille's method).		OSAW/INCO/Any make
34	Bulb of Sodium Light		OSAW/INCO/Any make
35	Case of Na light		OSAW/INCO/Any make

36	Prism (EDF)		OSAW/INCO/Any make
37	Bulb of Mercury Light		OSAW/INCO/Any make
38	Slit with micrometer to determine the resolving power of a grating		OSAW/INCO/Any make
39	Fresnel Biprism.		OSAW/INCO/Any make
40	Newton's Rings.		OSAW/INCO/Any make
41	Laser Source with adapter and proper stand to determine wavelength by diffraction method		OSAW/INCO/Any make
42	Experimental set up (Complete) To measure the intensity using photosensor and laser in diffraction patterns of single and double slits.		OSAW/INCO/Any make
43	2V/1A constant voltage source		OSAW/INCO/Any make
44	Ballistic Galvanometer	Large Time period, small CDR	OSAW/INCO/Sett & De/Any make
45	Capcintance Box		OSAW/INCO/Any make
46	Crystal Structure Models		OSAW/INCO/Any make
47	Dead Beat Galvanometer		OSAW/INCO/Sett & De/Any make
48	Diffraction Grating	100/200/300 lines per mm. (Original Hilger and Watts)	
49	Double Slit	Heavy type : Brass frame with tightened screws (dia=1.5") along with micrometer scale	
50	Fortin's Barometer		OSAW/INCO/Any make
51	High intensity, low pressure gas discharge tube	He, Ne, Hg	OSAW/INCO/Any make
52	Inductor with matching resistance		OSAW/INCO/Any make
53			
54	Inverter	Exide battery	
55	Lamp and Scale Arrangement		OSAW/INCO/Sett & De/Any make
56	Phol's commutator (heavy type)	Bakellit base	OSAW/INCO/Any make
57	Potentiometre	Wire length 1m, made of teak wood base.	OSAW/INCO/Any make
58	Electronic Weight Box	Accuracy: 0.1mg/.01mg: Range: 0-300gm	Sartorius
59	Precision Digital Balance	Max 2 kg	OSAW/INCO/ Any make
60	Rotating type Mutual inductance box	Dial type (0 to 180)	OSAW/INCO/Any make

61	Screw Gauge	Total brass body, chrome plated, Least count =0.01 mm/0.005 mm	OSAW/INCO/Any make
62	Single slit		OSAW/INCO/Any make
63	Slide Calipers	Brass made /VC=.01mm	OSAW/INCO/Any make
64	Variable voltage/current source		OSAW/INCO/Any make
65	2V DC source		OSAW
66	Thermocouple		OSAW
67	Cotton Coated Wire		
68	Balls of different size for Stokes' Method	Dia- 0.4 mm, 0.6, 0.8, 1.0, 1.2, 1.4, 1.6, 1.8, 2.0 mm	OSAW
69	Dropper with fine tip	Glass made	OSAW
70	Potentiometer (10 Wire)		OSAW
71	meter bridge.		OSAW/DI
72	Silver Rod with bob at one end for anode of ECE of Silver (25-50gm):		OSAW
73	Bowl made of Platinum for using as Cathod in ECE Experiment		OSAW
74	Bar of different material other than iron for Young's modulus by the method of Flexure.	1.2 m x1.2cmx.5cm	OSAW
75	Bad conductor of different material and of different thickness for Lees' and Charton's Experiment		OSAW
76	Few Travelling microscope for General Course experiment having Circular Scale (100 div) at top and side fitted with linear Scale.	Linear Scale will be 4alibrated in mm and least count=0.01mm.	OSAW
77	Index Rod		
78	Bulb	60Watt,100 watt	Phillips
79	Bulb of lamp and Scale arrangement	6watt	
80	Phosphor Bronze		
81	Heater (Normal) with coil		
82	Induction Heater	PRESTIGE PIC 14.0 INDUCTION COOKTOP	Prestige
83	Micro oven		
84	Printer cum scanner cum copy	<u>LaserJet Pro MFP</u> <u>M128fn Printer</u>	HP
85	Printer	LajerJet 1022	HP
86	Thermo meter	(1/10) degree	
87	Plug commutator		
88	Table Galvanometer		
89	Pen drive	HP	

90	Hard Drive (external device)	HP	
91	Antivirus	Quick Heal	
92	Multimeter		
93	PN Junction Diode Characteristics Trainer		OSAW/Any make
94	Zener Diode Characteristics Trainer		OSAW/Any make
95	Emitter Follower Trainer		OSAW/Any make
96	Logic Gate Trainer		OSAW/Any make
97	OPAMP Trainer		OSAW/Any make
98	Power Supply Trainer		OSAW/Any make
99	R- C Coupled Amplifier Trainer		OSAW/Any make
100	Transistor Characteristic Trainer		OSAW/Any make
101	Resistance Box (0-5000 Ohm)		OSAW/INCO
102	Resistance Box (0-10000 Ohm)		OSAW/INCO
103	Resistance Box (0-50 Ohm)		OSAW/INCO
104	Jaeger's Apparatus for determination of surface Tension of a liquid		DI
105	Convex Lens small (Focal length 15 cm)		
106	Concave Lens small(Focal length 15 cm)		
107	Pencil Jockey		
108	Standard Resistance-0.001 Ohm		OSAW/INCO
109	Standard Resistance- 0.01 Ohm		OSAW/INCO
110	Deflection magnetometer		
111	Polarimeter Tube		
112	Pohl's Commutator(Heavy Type)		
113	Search Coil(with holding stand and pulling arrangement, Dia-10mm, 50/100 turns)		
114	Cellcharger		
115	Full wave and Half Wave Rectifier Kit		
116	Digital /Analogue current Meter (0-10mA,0-20mA,0-50mA,0-100mA,0-200mA,0-1A)		
117	Digital /Analogue current Meter (0-100 micro Ampere, accuracy:0.1 micro Ampere)		
118	Digital AC Millivoltmeter		
119	Small resistances fixed	0.02, 0.04, 0.05, 0.07 ohm	OSAW/INCO