

BRANDS WE MANUFACTURE



NIRMAL SCIENTIFIC TRADERS

PRODUCT LIST

AUTHORISED STOCKIST

BLUE STAR | POLYLAB | WHATMAN | BOROSIL | FILTER KING | AQUASOL



BALANCE

1. Hydrostatic Balance: with Brass Pan
2. Physical Balance: School Quality
3. ---D0--- College Quality
4. Chemical Balance: School Quality
5. ---D0--- College Quality
6. Analytical Balance: J Model



DIGITAL ELECTRONIC BALANCE

10. Precision Electronic Weighing Scale with Adoptor

Capacity	Accuracy
(1.) 300gms.	10mgm
(2.) 500 gms	100 mgm
(3.) 1000gms	100 mgm
(4.) 2000 gms	200 mgm

Note : with Guarantee

10A. Plateform Type S. S. Top

(1.) 10Kgs	1 gms
(2.) 30 Kgs	1 gms

10B. Electronic Rough Balance for lab. use only
(1.) 500 gms 10 mg with Adapter

(2.) 1000gms	100 mg with cell
(3.) 2000gms	100 mg with cell
(4.) 3000gms	100 mg with cell
(5.) 5000gms	1 gm

Note : without Guarantee

10C. Pocket Balance Digital 200 gms x 10 mg



TRIPLE BEAM BALANCE

11. Triple Beam Balance: Sunmica Base & S.S. Pan

111G 310G 1110G 2110G 3110G

12. Triple Beam Balance Platform Type

S.S. Pan 2610 gms



MULTIPURPOSE TOP PAN BALANCE PVC BODY

14. 500 1000 2000 5000 Gms



LAB WEIGHING MACHINE

15. Laboratory Weighing Machine: Round

16. ---Do--- Square

17. ---Do--- Round 'KRUPS'

18. Baby Weighing Machine 10 Kgs

19. Table Balance without weight: 2 Kgs

20. Weight for Table Balance: 1 gm upto 2 Kgs

21. Dispensing Balance: 50gms 100gms 200gms

23. Spare Brass Weight

SPRING BALANCE

24. Spring Balance Salter Pattern :

Capacity	100gms	250gms	500gms	1000gms	
Brass Scale	Plastic Body		Tubular Type		
Capacity	2Kgs	5Kgs	10Kgs	25Kgs	50Kgs
Brass Scale	Plastic Body		Tubular Type		

25. Spring Balance Dial Type: 50kg, 100kg

(The all balance for Laboratory use only & Not for Trade)

SLOTTED WEIGHT

42. Slotted Weights: Brass C.P. Set of 4 & 1 Hanger

(a) 5gm	Each	Total	25gms
(b) 10gm	Each	Total	50gms
(c) 20gm	Each	Total	100gms
(d) 50gm	Each	Total	250gms
(e) 100gm	Each	Total	500gms

43. Slotted Weights Iron C.P. Set of 4 & 1 Hanger

(a) 50gm	Each	Total	250gms	Set
(b) 100gm	Each	Total	500gms	

44. Slotted Weights: Iron Black Painted Set of 4 & 1 Hanger

(a) 250gm	Each	Total	1250gms
(b) 500gm	Each	Total	2500gms
(c) 1000gm	Each	Total	5000gms
(d) 2000gm	Each	Total	10000gms



METRE SCALE

(For Laboratory Use only & Not for Trade)

55. Meter Scale: 1 Meter Long Wooden

55A. --do-- : Superior Qty. 1 Meter Long Wooden

56.--do-- : 1/2 Meter Long Wooden

57.--do-- : '0' Centre Wooden

58.--do-- : Mild Steel 12" Long

59.--do-- : Mild Steel 24" Long

60.--do-- : Stainless Steel 40" Long



CALLIPERS

62. Callipers Vernier: 5" C.P. with Wheel

62A. --do--: 5 " S. Steel with Wheel

63.--do--: I.M.E. Type in Velvet case

64.--do-- Demonstration Model



MICROMETERS-SCREW GAUGES

65. Micrometer Screw Gauges: Brass Body.

Size	15mm	20mm	25mm
Pitch 1mm			
Pitch 1/2mm			

66. --do-- with S.Steel Rod & Dull N.P. Brass Body

Size	15mm	20mm	25mm
Pitch 1 mm			
Pitch 1/2 mm			

67. Micrometer With Lock arrangement S.S. Rod

25mm	111 mm	25mm	1/2mm
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68. --do-- Demonstration Model. Aluminum



SPHEROMETER

- 69. **Spherometer** Lacquered Brass Body
1/100 mm 1/200 mm
- 70. ---Do--- Superior with S. Steel Screw & Legs
1/100 mm 1/200 mm
- 71. ---Do--- Double Plate Brass: Heavy type
1/100 mm 1/200 mm
- 72. ---Do--- Double Plate Brass: S.S. Screw & Leg
1/100 mm 1/200 mm
- 73. ---Do--- Model of Demonstration Aluminum
- 74. **Optical Lever:**



CUBE SET

- 75. **Cubes of Hard Wood:** Size upto 5 cms
- 76. **Cubes of Metals:** Set of 6 Different Metal
1 cm. 2 cm.
- 77. **Cube of Metal 2 cm** Set of 4 2



CYLINDERS SET

- 78. **Cylinders Set of 6:** Size 25x12 mm. Diff. Metal Set
- 78A. ---Do---: Size 37.5x12 mm. Set



PENDULUM BOBS

- 79. **Pendulum Bobs of Different metals:** Set of 6
½" (12mm) ¾" (18mm) 1" (25mm)
- 80. **Pendulum Bobs:** or Spheres of Brass Lead Zinc Metal
½" (12mm) ¾" (18mm) 1" (25mm)
- 81. **Pendulum Bobs:** Iron, Aluminum Metals
½" (12mm) ¾" (18mm) 1" (25mm) 2" (50mm)
- 82. Same as above of Copper 35% Extra
- 83. **Plumb lines:** Brass for Balance
- 84. **Spheres** of Soft wood or Cylinders: upto 5 cm



SPECIFIC GRAVITY APPS. & DISPLACEMENT VESSELS

- 86. **Over Flow Vessels** Plastic
- 87. **Over Flow Vessel** S.S.
- 88. **Bucket & Cylinder:** 1 ½"
- 89. **Bucket & Cylinder:** 2"
- 91. **Specific Gravity Bottles:** Borosilicate 25ml
- 91 A. --do-- Borosilicate 50 ml
- 92. **Nicholson's Hydrometer:** Brass Med.(1 ½")
- 93. **Nicholson's Hydrometer:** Brass (1")





SPIRIT LEVEL

- 114. **Spirit Level:** Plastic Size 6" (15 cm)
- 115. **Spirit Level** in Brass Rod Heavy C.P.
Size: 2" 3" 4"
- 116. **Spirit Level** in Brass Square Pipe
Size: 2" 3" 4"



VISCOSITY APPARATUS

- 123. **Viscosity Apparatus** Acrylic Tube
- 124. **Jaeger's Apparatus**



HYDROSTATIC VOLUME SECTION

- 124A. **Searle's Surface Tension Apps** (De-Nouy's)
- 124B. **Searle's Surface Tension Apps.** (Ripple)
- 125. **Viscometer Apparatus:** W/O Weight



BOYLE'S LAW APPARATUS

- 127. **Boyle's-Law Appts.** w/o R.Tubing & Mercury
- 128. Boyle's Law Glass Tube :Set of 2 B/Glass
- 129. Boyle's Law Pressure Rubber Tubing 1/2mtr.
- 129A. Mercury for Boyle's Apparatus On Enquiry



METEROLOGY

- 130. **Fortin's Barometer:** All Brass fittings II Glass
- 131. -do- B/Glass All Brass Fitting
- 133. **Fortin's Barometer:** Teak Wood Case
- 134. Thermometers in Brass Casing
- 135. **Barometer Tube:** B/Glass 90 cm Long
- 135A. **Barometer outer Tube** B/Glass
- 135B. **Leather Pouch** Superior Quality
- 135C. **Plastic Cup** for Barometer
- 135D. **Mercury** for Forting Barometer per 800 gms

BAROMETER DIGITAL

- 136. Barometer Digital cum Altimeter/Compass
- 137. Altimeter



ANEROID BAROMETER ANALOG

- 138. Aneroid Barometer 4" German Type
- 138A. Aneroid Barometer 4" Demonstration Type
- 138B. Aneroid Barometer 4" Regular Quality



RAIN GAUGE

- 139. Rain Gauge: 12" long 5" Dia G.I. Sheet
- 139A. Rain Gauge: 12" long 5" Dia S.S.
- 139B. Rain Measures: Graduated Plastic
- 139C. --do-- PVC Acrylic Crystal Superior Quality
- 139D. Rain Gauge Digital Wireless Infrared



THERMO HYGRO CLOCK DIGITAL

- 140. Thermo Hygro-Clock 4-in-1 with Probe
- 140A. Thermo Hygro-Clock 3-in-1
- 140B. Thermo Hygro-Clock with Date
- 140C. Thermo Hygrometer: Digital



MAXIMUM AND MINIMUM THERMOMETER

- 146. Max. & Min. : Thermometer "JAPAN TYPE"
- 146A. --do-- "DIMPLE"
- 146B. --do-- "ZEAL"



WET AND DRY THERMOMETER

- 147. **Wet & Dry Thermometer** on PVC Scale
- 148. -do- "Japan Type" Wooden
- 148A. -do- "Japan Type Dimple"
- 148B. -do- "Zeal Type Dimple"
- 148C. -do- "Zeal"

WALL THERMOMETER

- 150. Wall Thermometer: C & F Plastic Sup. Qly.
- 151. Wall Thermometer: C & F "DIMPLE"
- 151A. Wall Thermometer: "ZEAL"
- 151B. Wall Thermometer: 100 mm. (Round)
- 151C. Wall Thermometer: 50 mm. (Round)

ANEMOMETER

- 164. **Anemometer Digital Imported**
- 164A. **Anemometer Manual**

HEAT APPARATUS

- 168. Pullinger's Co-efficient of Linear Ex. Appts.
- 169. Linear Expansion Apparatus
- 170. Compound/Bimetallic Strip Iron & Copper
- 171. Same as above: Brass & Copper with handle
- 172. Weight Thermometer Borosilicate Glass
- 173. Conductivity of Metal Apparatus
- 174. Conductometer : Consisting of 5 Rods
- 175. Searle's Thermal Conduction Appts.: 30x2.5 cms.
- 176. Searle's Thermal Conduction Appts.: 30x3.7 cms.
- 177. Lee's & Charton Appts. : All Brass
- 178. Newton's Law of Cooling Appts.



THERMOCOUPLE AND THERMOPILE

- 179. Thermocouple: on wooden base
- Iron-Copper Copper-Constant Antimony-Bismuth
- 179A. Thermopile: 8 Pairs 12 Pairs 24 Pairs 48 Pairs
- (1) Sup. Q.
- (2) Reg. Q.

VICTOR MAYER'S APPARATUS

- 180. Victor Mayer's Appts.: BIG lass w/out Jacket
- 181. -do- with Jacket Copper
- 182. Oxygen Generator with Delivery Tube
- 183. Oxygen Generator B/Glass
- 184. Steam Trap BIG lass
- 185. Lead Shots 500 gms.
- 185A. Lead Shots 250 gms.



PLASTIC BODY



WOODEN BODY





- 186. Glass Beads w/out Hole 2/3, 5/6mm 500gms
- 187. Ring & Ball 18 mm Brass with Handle
- 187A. Ring and Ball Brass Ball 25mm W/Handle
- 188. Ring and Ball 18mm on stand.
- 189. Davy's Safety Lamp Heavy Quality
- 190. Hooks Law Apparatus: w/o weight
- 191. Hook Law Apparatus: W/Weight Brass
- 191A. Hooks Law Appts. w/o weight: Size 12"



MECHANICS APPARATUS

- 192. Levers of Three Orders set of 3 w/out weight
- 193. Law of Moments Apparatus
- 194. Maxwell's Vibration Needle all Brass Parts
- 194A. --do-- Regular Quality
- 195. Bending of Beam Apparatus
- 196. Bending of Beam Koin Method
- 197. Inertia Bar 30 cm Long 15 cm Dia
- 198. Inertia Disc 15 cm Brass Disc 6 mm Thick
- 199. Torsion Pendulum: 12.5 cm Dia
- 200. Torsion Pendulum: 25 cm Dia
- 201. Inertia Table 15 cm Disc



PULLEY'S

- 202. Pulley Arrangement
- 203. Pulleys: Aluminum in brass frame 35 mm
 - (i) Single one hook
 - (ii) Single two hook
 - (iii) Double parallel or long
 - (iv) Triple parallel or long
- 204. Pulley Clamp Pattern (Z-Pulley)
- 205. Pulley for Inclined Plane fitted in Brass Frame



PARALLELOGRAM OF FORCES APPTS.

- 206. Parallelogram Forces Appts.: Wall Ptm. Complete
- 207. -do- Table pattern
- 208. -do- same as above 3 set of Brass Slotted weight
- 209. Drawing Pin: Superior Quality
- 210. Center of Gravity Toy's: set of 3 Brass Toy's
- 212. Center Gravity Toy's only stand wooden
- 213. Poisson Ratio Apparatus on stand
- 214. Terminal Velocity Apparatus
- 215. Jack Screw Model: Superior Working

- 216. First Law of Motion (Inertia Apparatus)
- 217. Second Law of Motion Apparatus
- 218. Third Law of Motion. Metal
- 219. Wheel and Axle Compound: Wooden

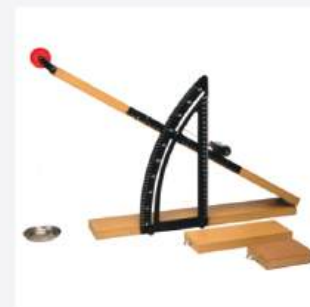
SIMPLE & BAR PENDULUM

- 220. Simple Pendulum Complete Set
 - 221. Bar or Compound Pendulum Complete Set
 - 222. Compound Pendulum Brass or S.S.
 - 223. Bifilar Pendulum: complete Set
 - 224. Kater's Reversible Pendulum: S.S. complete
 - 225. -do-- All Brass Complete
 - 226. -Do-- S.S. Rod with Brass Weight
 - 227. Stand for Kater's Pendulum
 - 228. Flywheel Moment of Inertia
- | | |
|----------------------|-------------------|
| Without Rev. Counter | With Rev. Counter |
| (i) Wheel 20 cms | |
| (ii) Wheel 25 cms | |



INCLINED PLANE

- 229. Inclined Plane: (Graduated Arc Type)
 - 230. -do- Teak Wood Sunmica Top Heavy Quality
 - 231. -do- with Brass Arc & Pan Roller Sup. Quality
 - 232. Double Inclined Plane: 1 meter long
 - 233. Spare parts for inclined Plane:
- | | | | |
|--------|--------|-----|--------------------|
| Roller | Pulley | Pan | Arc Alum Arc Brass |
|--------|--------|-----|--------------------|
- 234. Friction Boards: With Pan Pulley



YOUNG'S MODULUS APPARATUS

- 235. Young's Modulus Appts. Iron with Weight
- 236. --do-- Brass with weight
- 237. Rigidity Apparatus
- 238. --do-- Dynamical Method
- 239. Torsion Appt. Horizontal: (i) ½. meter
- 239A (Searle's Pattern) (ii) 1 meter
- 240. Torsion Apparatus Horizontal Type
- 241. --do-- Vertical Type
- 242. Wires: (i) Steel Wire SWG. 22-30
- (ii) Brass Wire S.W.G. 22-30



STOP CLOCK

- 243. Stop Clock:
- 244. Stop Clock:
- 245. Stop Clock: "ESAL" Brand Model No. ST-1
- 245A. Stop Clock: "ESAL" Brand Model No. ST-2





245B. Stop Clock: "Topper" Brand Digital,
Round Shape with 8 Digit, Model No. T2
245C. Stop Clock: "Loudstar" Brand Digital,
Big Size with 7 Digit, Model No. 104

STOP WATCHES

246. Stop Watch Metal 1/10, Mechanical
246A. Stop Watch "RACER" Digital
246B. Stop Watch Digital Model No, 101
246C. Stop Watch Economy Model No. TS-1809

TIMERS

247. Timer Digital: "Loudstar" Model No. 103
247A. Timer Digital: "Loudstar" Model No. 106
247B. Timer Manual for 60's Seconds
248. Ticker Timer

LIGHT OPTICAL BENCH & ACCESSORIES

251. Optical Bench: 1 Meter Long all Woost.en
252. --do-- College pattern with Metal Rider
253. Optical Bench Double Rod: 1 Meter
254. Optical Bench Dbl. Rod Half Shaper Iron C.P.
(i) 1 Meter Long 4350.00 (ii) 1'1. Meter Long
255. Senior Optical Bench Double Rod (Round Type)
Half Shaper Ridder Heavy Legs: Brass Pipe S.S. Rod
A) 1 Meter
B) 1.5 Meter
256. Research Optical Bench: The Carriages
256A. Nodal Slide Assembly with Optical Bench
256B. Bi-Prism Assembly with Optical Bench

OPTICAL BENCH ACCESSORIES WOODEN (METAL RIDERS)

(A) -do-- 15x10 cm
(B) White Screen - Wooden with Sunmica
(C) Universal Lense Holder wlo stand-Metal
(D) Upright Needle Brass N.P.
(E) -do- Iron N.P.
(F) Accessories for Senior Optical Benches:
(G) Upright Needle 9mm Dia
(H) Lense Holder without stand
(I) -do-- Brass CP
(J) Stand for above
(K) Parallel Plane Mirror Wooden Frame 8"x6"

STAGE MICROMETER

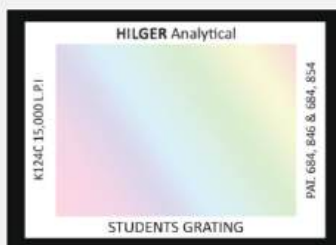
258. Stage Micrometer: "ERMA" Type
OCULAR MICROMETER DISC
259. Ocular Micrometer Disc: "ERMA" Type

CUVETTES QUARTZ & GLASS

260. Standard Spectrophotometer Cell With Teflon Lid (White Wall)

	Path Lth.	Quartz	Rate	Rate
(1)	1mm	MCQ-1	MCG-1	Pair
(2)	2mm	MCQ-2	MCG-2	Pair
(3)	5mm	MCQ-3	MCG-3	Pair
(4)	10mm	MCQ-4	MCG-4	Pair
(5)	20mm	MCQ-5	MCG-5	Pair
(6)	30mm	MCQ-6	MCG-6	Pair
(7)	40mm	MCQ-7	MCG-7	Pair
(8)	50mm	MCQ-8	MCG-8	Pair
(9)	100mm	MCQ-9	MCG-9	Pair





POLARISATION

- 278. Polarimeter:
- 279. Polarimeter Bio-Quartz with C.B. Box
- 280. Polarimeter Tube 100 mm 200 mm 400 mm
Bulb Type Brass end
Cup Type Brass end
- 281. Polaroid: A Pair of 50mm Dia

SPECTROMETERS & ACCESSORIES

- 282. Spectrometer Student's Regular Quality
- 283. Spectrometer Maximum accuracy, heavy base
Size Brass Scale S.S. Scale
(A) 6"
(B) 7"
(C) 10"
- 284. Spectrometer Deluxe Quality Size 6"
- 284A. --do-- Size: 7"

DIFFRACTION GRATTING

- 285. Diffraction Grating Superior Quality 38x50 mm
- 285A. --do-- Regular Quality 25x25 mm.
- 285B. --do-- Imported Quality 38x50 mm
- SODIUM / MERCURY VAPOUR LAMP
- 286. Sodium Vapour Lamp Only Imported 35 watts
- 286A. --do-- 55 watts
- 287. Sodium Vapour Lamp 35 watts
with Transformer & wooden box complete set
- 287 A. S.V. Lamp Wooden Box only for 35 watts
- 287B. --do-- 55 watts
- 287C. S.V. Lamp Metal Body Box Only for 35Watts
- 288. S.V. Lamp TransformerOnly for 35 watts
- 288A. --do- 55 watt
- 289. Mercury Vapour Lamp Complete Set
with Chok & Wooden Box
- 290. Mercury Vapour Lamp only
- 290A. M.V. Lamp Teak Wood Box only
- 290B. M.V. Lamp Metal Body Box Only
- 290C. M.V. Lamp Spare Chok only
- 290D. Light Box wooden for Single Lamp

GLASS PRISMS

- 291. Glass Prism: Equilateral Angled 1 1/2" Indian
- 292. Same as above of 1st Quality
- 293. Glass Prism: 2" Indian Equilateral Angled
- 294. Same as above 1st Quality
- 295. Glass Prism: White Glass
25x25 mm 32x32 mm 38x38 mm 50x50 mm

Note: Right Angled Prism Rates are 50% Extra

SPECTROMETER PRISMS

296.	Prism: 25 x 25 mm H.T.	RI Approx
1.	Borosilicate Crown Glass	1.51
2.	Dense Flint Glass Prims	1.62
3.	Extra Dense Flint Glass Prism	1.65
4.	Dbl. E. D. F. Glass Prism	1.70

297.	Prism: 32x32 mm H.T.	RI Approx
1.	Borocilicate Crown Glass	1.51
2.	Dense Flint Glass Prism	1.62
3.	Extra Dense Flint Glass Prism	1.65
4.	Dbl. E. D. F. Glass Prism	1.70

298.	Prism: 38x38 mm H.T.	RI Approx
1.	Borosilicate Crown Glass	1.51
2.	Dense FLint Glass Prism	1.62
3.	Extra Dense Flint Glass Prism	1.65
4.	Dbl. E. D. F. Glass Prism	1.70

OPTICALLY PRISMS

299. Different Angle's Prisms: 32 x 32 mm
 (i) Angles 5x5x170, 10x10x160, 15x15x150, 20x20x140
 (ii) Angles 25x25x130, 30x30x120, 40x40x120
 300. Narrow Angle Prisms: Optically worked white 32x32 mm
 (i) Angle 5x87, 5x87.5, 10x85x85, 15x82.5x82.5, 20x80x80
 (ii) Angle 25x77.5x77.5, 30x75x75, 40x70x70, 30x60x90
 301. Fresnel's Bi-Prisms 40x32 mm 700.00 50x40 mm
 302. Nicol Prisms: 6, 10, 12.5 mm on Enquiry

HOLLOW GLASS PRISMS

304. Hollow Glass Prisms with Stoppered
 (a) Size 38x38x25 mm height
 (b) Size 38x38x38 mm height
 (c) Size 50x50x50 mm height

C.D.S. PRISMS

305.	C.D.S. Prism: F'ace Size 35x35 mm	1.561
305A.	C.D.S. Prism Face Size	R.T.
(i)	35 x 35 x 65 mm	1.651
(ii)	35 x 35 x 65 mm	1.700
(iii)	30 x 30 x 55 mm	1.651
(iv)	30 x 30 x 55 mm	1.700

GLASS SLAB

306. Glass Slabs: 75 x 50 x 12 mm
 (a) --do-- 75 x 50 x 18 mm
 (b) --do-- 100 x 50 x 18 mm
 (c) --do--100 x 60 x 18 mm
 (d) --do--115 x 65 x 18 mm
 307. Glass Slabs Moulded: Indian Glass
 all sides polished 100x60x25 mm





MIRRORS

308. Mirror Concave or Convex Highly Silvered Optically

Dia 2" 2 1/2" 3" 4" 6"

310. Mirror Strips Size: 3" x 1" 4" x 1" 3" x 2" 4" x 2"

311. Mirror Strips Foot Wooden or PVC

LENSES

312. Lenses Double Convex & Double Concave

	Focal Length cm	Convex Lens	Concave Lens
Dia 2" (50 mm)	5 to 6 cms 10 cms. 15 cms. 20 to 100 cms.		
Dia 3" (75mm)	10 to 12 cms 15 cms. 20 to 25 cms. 30 to 100 cms.		

312A. Plano Lense : Convex/Concave 2"

313. Demonstration Lenses Set of 6,2"

315. Plano-Convex Lense s (Condensors)

Dia Meter	Focal Length
(a) 100 mm	20 cm
(b) 112 mm	15 cm
(c) 112 mm	20 cm
(d) 125 mm	20 cm
(e) 150 mm	22 to 25 cm
(f) 150 mm	30cm
(g) 200 mm	40cm

316. Glass Sheet Cutter: INDIAN Quality

316A. Tin Cutter Steel

317. Glass Marking Diamond Pencil (Packed 25pcs)

MAGNIFIERS

318. Magnifiers with light: 50mm 180.00 90mm

318A. Magnifiers MAGNOVISION Dia 90mm

319. Magnifiers with Beautiful Handle

	Size	1 1/2"	2"	2 1/2"	3"	4"
(a) CP Handle R.Q.						
(b) Bakelite Handle						
(c) Plastic Frame						
(d) Plastic Frame Black						

319E. Magnifier C.P. Sup. Qty. Size: 5" 6"

320. Magnifier with Light on Stand: Size: 6"

323. Magnifiers Folding: Superior Quality

Single 4x Double 7x Triple 10x

324. Magnifiers Folding 10x Regular Quality

324A. Magnifiers Folding 10x Export Quality

325. Blue Glass: 38x38mm 170.00 50x50mm

325A. Air Wedge Plate: 75 x 25 x 3mm

325B. Air Wedge Plate: 50 x 25 x 4mm



HOLLOW GLASS PRISMS & SLABS

- 326. Hollow Glass Prisms : 38x38 mm 50 x 50 mm
- 327. Hollow Glass Slabs Size 75 x 50 x 18 mm
- 331. Newton's Rings Apparatus: Size 60mm
Green Glass White Glass
- 331A. Newton's Rings Appts. 5"x4%" Teakwood
- 332. Newton's Colour Disc: Superior Quality
- 333. Pin Hole Camera: Brass N.P.
- 333A. --do-- Camera: Wooden
- 334. Kaliediaoscope : Brass N.P.
- 335. Periscope Wooden: Size 12"

SOUND APPARATUS

- 343. Sono Meter: 1 Meter Long Sunmica
Aluminum Fitting Top 4" x 4"
- 343A. --do-- Top 6" x 6"
- 344. --do-- Brass Fitting 4" x 4"
- 344A. --do-- Brass Fitting 6" x 6"
- 344B. Sono Meter: Electrical Fitting Parts
- 345. Resonance Apparatus: All Metal
(1) 25 mm Dia Steel/ C.P.
(2) 25 mm Dia Brass
(3) 25 mm Dia S.S.
- 346. Resonance Apparatus Pipe 25mm Spare:
Brass N.P. Iron C.P. B/Glass
- 347. Resonance: Reservoir S.S.

WAVE MOTION APPARATUS

- 348. Wave Motion Apparatus Size: 12"

TUNING FORKS

- 349. Tuning Forks: C.P. Set of 8 in Box
- 351. -do- Ragg Type Blue or C.P. in velvet Box set of 8
- 352. -do- Welch Type Big or C.P. in velvet Box Set of 8
- 353. -do- Aluminum English Type
- 354. -do- Loose: Ordinary Blue Welch
- 355. Tuning Forks Pad for striking
- 355A. --do-- Blue Colour Moulded
- 356. Resonance Boxes wooden: 2 T. F. 3 T. F. 4 T. F.
- 357. Hammer Rubber: For Striking Tuning
- 358. Vibrator Electrical 220 Volts AC.

ELECTRICALLY TUNING FORKS

- 359. Tuning Fork Electrically Maintained
"OSAW" Type
- 360. Melde's Appts. Electrically Maintained
"INCO" Type
- 362. K. Constant Spring Apparatus
- 362A. K. Constant Spring Only 6"
- 362B. Slinky (Spherical/Helical) Spring
Size: 2" 3"
- 363. Ripple Tank: Size: 30x30 45x45 60x60 cms.





- 364. Stroboscope Simple form on Stand
- 364A Stroboscope "Cenco" Type
- 364B. Helmholtz Resonators

MAGNET

- Horse Shoe Magnet
- "U" Shape, Size: 11/2" 2" 3" 4"
- 365. School Quality
- 366. Strong 1st Quality
- Bar Magnet Size: 11/2" 2" 3" 4" 6"
- 367. School Quality
- 368. "SHIV" Super Brand
- 369. Strong 1st Quality
- 370. Cobalt Steel Extra Strong ---
- 371. Cylindrital Magnet: Alnico Alloy
- 37mm 50mm 75mm 100mm 150mm
- 371A. Electro Magnets U Shape: Size: 4" 6"

MAGNETIC FIELD APPARATUS

- 372. Magnetic Field Apparatus:

EARTH INDUCTOR

- 373. Earth Inductor from 500 turns
- 374. Solenoid Inductor 1000 turns

MAGNETIC COMPASSES

- 375. Magnetic Needles: 3" long Metal
- 375A. --do-- Stand only of PVC
- 375B. --do-- Metal
- 376. Magnetic Compass: 11mm Dia
- 377. --do-- 18mm Both side Glass Good Quality
- 377 A --do-- 18mm Both side Glass Regular Quality
- 378. --do-- 25mm One Side Glass
- 379. --do-- Alum. Sap. Qlty. 11/2," 2" 3" 4"
- 380. Magnetic Compass All Brass 35 mm
- 380A. --do-- 45 mm
- 381. Compass for Deflection & Tangent Galvanometer
- 382. Mariner's Compass Glimbal on stand
- 383. Dip Circle Form Wooden framed glass Dial
- 384. --do-- Brass
- 385. Deflection Magnetometer wooden Complete Set
- 385A. --do-- All Metal Complete Set
- 386. Vibration Magnetometer Complete Set

FRICTIONAL ELECTRICITY

- 388. Skin Washed (Not cat Skin) small piece
- 389. Silk Pieces about 12" x 12"
- 389A. Flannel Pieces about 12" x 12"



CURRENT ELECTRICITY

- 396. Simple Cell (Voltaic Cell) with complete set
- 397. Daniel's Cell with complete set
- 399. Daniel's Cell: Joint less only vessel 51/2"
- 399A. --do-- 6" x 4" (Heavy)
- 400. Porous pot Daniel's Cell Pucca 5"x3"
- 401. Lechanchie's Cells with complete set
- 402. Porous Pot: for Lechanchie's Cell
- Note: No responsibility of breakage of porous pots.)

METAL ROD OF DIFFERENT TYPE

- 404. Zinc Rod Size: 5" with Brass Terminal
- 404A. -do- Size: 6" (15 cm) with Terminal
- 404B. -do- Size: 6" x 11 mm with Brass Terminal
- 405. Copper Plate Size: 6" x 2" with Terminal
- 406. -do- Size: 6" x 2" Thick Quality
- 407. Zinc Plate Size: 6" x 2" with Terminal
- 408. -do- Size: 6" x 2" Thick Quality
- 409. Carbon Rod Size: 6" with Brass Terminal
- 410. Copper Rod Size: 6" with terminal Thick
- 410A. -do- Size: 5" with terminal
- 411. Iron Rod Size: 6" with Terminal
- 411A. Brass Rod Size: 6" with Terminal
- 412. Aluminum Rod Size: 6" with Terminal
- 412A. Lead Rod Size: 6" with Terminal
- 412B. Lead Rod Size: 5" with Terminal

DRY CELL

- 413. Dry Cell Recharger Type 2 Volts
- 413A. Charger for Above

BATTERY CLIPS

- 414. Crocodile Clip: Red or Black(Pkg. in 50 pairs)
- 415. Battery Clip: Medium Size(Pkg. in 50 pairs)
- 416. Banana Clips Plastic Handle (Pkg. in 50 pairs)

BELLS & BUZZERS

- 417. Electric Bell Demonstration: On Board
- 418. Electric Bell workable on 6 volts or 220V

LEAD ACCUMULATORS

- 425. GLOBE Type Mass: 20, 2 Volts 20 AH
- 426. GLOBE Type Mass: 45, 2 Volts 45 AH

GLOBE SGP SERIES STATIONARY

LABORATORY ACCUMULATORS

- 427. GLOBE Type SGP-30, 2 Volts 30AH on 20 Hrs
- 428. GLOBE Type SGP45, 2 Volts 45AH on 20 Hrs
- 429. GLOBE Type SGP-60, 2 Volts 60AH on 20 Hrs
- 430. GLOBE Type SGP-75, 2 Volts 75AH on 20 Hrs
- 431. GLOBE Type SGP-90, 2 Volts 90AH on 20 Hrs
- 432. GLOBE Type SGP-105, 2 Volts 105AH on 20 Hrs
- 433. GLOBE Type 3 MCPP7 6 Volts 7 Plate Battery
in Polypropylene for use in Motor Cycles,
Emergency Lights & Scientific Laboratories

Note: All the Above Accumulators are Supplied in Uncharged Conditions

BALLISTIC GALVANOMETER

- 443. Ballistic Galvanometer: Bajaj Type
- 444. Ballistic Galvanometer: Osaw Type



VOLTMETER. AMMETER & GALVANOMETER

All Meter in Rectangular Type Brand

- 448. Galvanometer with Stand DC 30-0-30
- 449. Am-Meters with Stand DC 1.5 to 10 Amp.
- 449A. Milli-Ammeter with Stand DC 250 to 500 mA
- 449B. Micro-Ammeter with Stand DC 0-25 to 500 1-11
- 449C. Milli-Ammeter with Stand DC 10 to 100 mA
- 450. Voltmeter with Stand DC 1.5 to 300 Volts
- 450A. Milli-Voltmeter with Stand DC 250, 500 mV
- 451. Am-Meter, Voltmeter, Galvanometerw/stand RIQ.
- 452. Ammeter or Voltmeter ACIDC with Stand
- 453. Demonstration Ammeter or Voltmeter
- 454. -do- Ammeter or Voltmeter All in One
- 455. Meter Stand only with terminal

MULTIMETER

- 456. Multimeter Analogue Regular Quality
- 457. Multimeter Analogue 'SANWA' P-3 Model
- 457 A. Multimeter Digital 'YTR' Model
- 457B. --do-- Digital Small Size
- 457C. --do-- Digital Big Size
- 457D. --do-- Digital Extra Big Size
- 457E. --do-- Digital M830 B Model

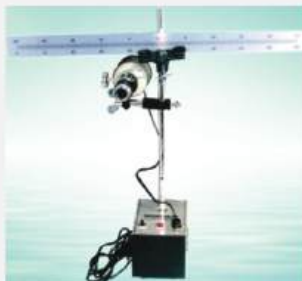
LAMP & SCALE OUTFITS

- 458. Lamp and Scale Outfit



INDUCTION COILS

- 467. Induction Coils: Spark Gap in mm
5 10 15 25 50 75 100 mm
- 468. Mutual or Self induction Coils Pairs



TANGENT GALVANOMETER

469. Tangent Galvanometer: Aluminum
469A. --Do-- Brass

HELMHOLTZ'S GALVANOMETER

470. Helmholtz's Galvanometer
470A. Compass Box for Tangent Galvanometer
471. Goinometer Searle's

D.C.C. CONNECTING WIRES

472. Copper Wire (D.C.C.) Dbl. cotton covered for connections
SWG22 SWG24
472A. Copper Wire (DCC) 100 gms. Pkg.
472B. Copper Wire Enamel Coated 24 SWG.

EUREKA & NICHROME WIRES

473. Eureka Wire (Constantan) Wire: A High Resistance Wire
(SWG 24) 100 gms (SWG 24)
474. Nichrome Wire: Resistance Wire
(SWG 24) 100 gms (SWG 24) 500 gms
475. Manganin Wire: 100 gms 420.00 Per Pkt

MAGNESIUM RIBBON COIL

476. Magnesium Ribbon Coils Minimum Packing 10 Coils
10gms 20gms 25gms.

RESISTANCE BOX & COILS

477. Resistance Coils : Plastic Case Stamped at the top
(1) 1, 2, 5, 10, 50 OHMS
(2) 100, 200, 500 and 1000 OHMS
(3) Fractions Resistance 0.1 to 0.9 OHMS
478. High Resistance Key
479. Resistance Boxes (7/16" Square Block Brass) Constant
Range
(1) .1 to 1 Ohms
(2) .1 to 5 Ohms
(3) .1 to 10 Ohms
(4) .1 to 50 Ohms
(5) .1 to 100 Ohms
(6) .1 to 200 Ohms
(7) 1 to 10 Ohms
(8) 1 to 50 Ohms
(9) 1 to 100 Ohms
(10) 1 to 500 Ohms
(11) 1 to 1000 Ohms
(12) 1 to 5000 Ohms
(13) 1 to 10000 Ohms
479A. (1/2 Brass Block 20% Extra in Constant)

RESISTANCE BOXES DIAL TYPE

480. Resistance Box Dial Type: Fitted on Teak wood Box
Single Dial 2 Dial 3 Dial 4 Dial 5 Dial
Const.
Mang.



POST OFFICE BOX

- | | | | | |
|-------|---|--------------|--------|--------|
| 481. | P.O.Box Dial Type: | 4 Dial | 5 Dial | 6 Dial |
| | Const. Coils | | | |
| | Mang. Coils | | | |
| 482. | P.O.Box Dial Type: With 3 Ratio | With 4 Ratio | | |
| | Const. Coil | | | |
| 482A. | ('I. Brass Block 20% Extra in Constant) | | | |

WHEAT STONE BRIDGES (METER BRIDGES)

- | | |
|------|--|
| 483. | Meter Bridge: Brass Fitting 2 Gap Sunmica Base |
| 484. | Carry Foster's Bridge: 4 Gap Superior only |

LIVER SWITCH

- | | |
|------|---|
| 485. | 100 Mounted on Thick Bakelite Sheet with Brass Strips |
| | One Way 100.00 Two Way 120.00 Three Way 200.00 Each |

POTENTIONOMETERS

- | | |
|-------|---|
| 486. | Potentionometer: 4 Wires Teak wood R. Quality |
| 486A. | Potentionometer: 4 Wires College Quality |
| 487. | -d0-10 Wires College Pattern |
| 487A. | -do- with Pencil Type Jockey |
| 488. | Spare Jockey's: (PIANO TYPE) |
| | (I) For Wheatstone bridge |
| | (i) For Potentiometer 4 wires |
| | (ii) For Potentiometer 10 wires |
| | (iii) Pencil Type Bakelite Jockeys |
| 489. | Potentionometer Dial Pattern :with 10 Coils |
| 489A. | Junior Potentionometer : with 14 Coils |
| 489B. | Senior Potentionometer : with 22 Coils |
| 489C. | Potentionometer Digital |

BRIDGES

- | | |
|-------|---|
| 493A. | Kohlraush Conductivity Bridges |
| 493B. | Induction Coil |
| 493C. | Headphone |
| 493D. | Student Kelvin Bridge |
| 493E. | Precision Kelvin Double Bridge |
| 493F. | Conductivity attachment for above |
| 493G. | Industrial Kelvin Bridge |
| 493H. | Callender and Griffith's Bridge Dial Type |
| 493I. | Platinum Resistance Thermometer |
| 493J. | Callender and Griffith's Bridge |
| 493K. | Anderson's Bridges |
| 493L. | Releigh's Self Inductance Bridge |
| 493M. | Desauty's Bridge |
| 493N. | Maxwell Bridge |
| 493O. | Portable Wheatstone Bridge |
| 493P. | Schering Bridge |
| 493Q. | Weign's Bridge |

OHM'S LAW APPARATUS

- | | |
|-------|---|
| 494. | OHM'S Law Appts. with Rheostat & DC Meter |
| 494A. | -do- with Dial Type Rheostate & ACIDC Meter |

DYNAMO

- 495. Dynamo ACIDC combined with Shocking Coil
- 496. Dynamo Gear Type: Superior Quality
- 497. Electric Motor heavy with Newton's Color Disc
- 497 A. -do- Regular Quality

RHEOSTATS

498. Rheostats: 4.3 cm (1 3/4") Dia Tube Amps. 8.0 to 4.0
 Size: 15 20 25 30 35 40 45 50
 cm

498A. Rheostats: 4.3 cm (1 3/4") Dia Tube Amps. 3.3 to 0.3
 Size: 15 20 25 30 35 40 45 50
 cm

499. Rheostats: 2% (65 mm) Amps. 8 to 4.0
 Size: 15 20 25 30 35 40 45 50
 cm

499A. Rheostats: 2% (65 mm) Amps. 3.3 to 0.3
 Size: 15 20 25 30 35 40 45 50
 cm

499B. Rheostats Grooved Type 5.6 cm Dia Amps. 6.5 to 0.3
 Size: 15 20 25 30 35 40 45 50
 cm

TAPPING AND PLUG KEYS SWITCHES

500. Plug Key on Bakelite Base Superior Quality with 7/16"
 1 way 2 ways 3 ways 4 ways 6 ways

500A. Plug key Regular Quality
 1 way 2 ways 3 ways 4 ways 6 ways

- 501. Tapping Key (Single contact key)
- 502. Tapping Key (Double contact key)
- 503. Reversing Switch M.I.P.
- 504. Charge & Discharge Key

COMMUTATORS

- 505. Commutators: Round Four Way Plug Key
- 506. Pohl's Commutator: Bakelite Base

VOLTA METERS

- 508. Water Volta Meter: with Platinum wire
- 508A. -do- with Eureka wire
- 509. Hoffman's Voltmeter
- 510. Copper Volta Meter Complete
- 510A. Copper Plate for Copper Volt Meter





ABBE'S REFRACTOMETER

512. Abbe's Refractometer: Good Quality

POLARIMETER

513. Polarimeter: 220mm

513A. Polarimeter: 400mm

OSCILLOSCOPE

517. 5 MHz XY Oscilloscope

517A. 2 MHz Gen. Purpose Oscilloscope

Trace rotation coil for square CRT Extra 1000.00 Each

I C REGULATED POWER SUPPLIES

518. Regulated Power Supply For
Diode/Triode Experiments 300V at 30mA

518A. -do- for Electrophoresis Apts.
300V at 100mA Digital

519. Regulated Power Supply DC: Input 230 V

	Output Volt. / Current	with 2 Analogue Meter	with 2 Digital Meter
a)	0-15V / 1 Amp.		
(b)	0-15V / 2 Amps.		
(c)	0-30V 11 Amp.		
(d)	0-30V 12 Amps.		

ELECTRONIC CELL SUBSTITUTES

Protect against short circuit & overload

520. Weston Cadmium STD Cell substitutes

520A. Leclanche Cell substitutes

520B. Daniel Cell substitutes

520C. Potentiometer Experiment For 2 Volt 1Amp.

521. EIM Apparatus - 'Bar Magnet Method'

521A. -do- 'Helical Method'

521 B. --do- 'Magnetron Valve Method'

BATTERY ELIMINATORS

522. Battery Eliminators: Input: 220Volts, Output: 12Volts DC
1 Amp 2 Amps 3 Amps 5 Amps

BATTERY CHARGERS

523. Battery Chargers: Input: 220Volts, Output: 12Volts DC
3 Amps 5 Amps 6 Amps

523B. Battery Chargers: Input: 220Volts, Output: 18Volts DC
3 Amps 5Amps 6Amps



TRANSFORMERS

- 524. Step Down Transformers: Input: 220V, Output: 12VoltsAC
1 Amp 2 Amps 3 Amps 5 Amps
- 524A. Step Up Transformers
- 525. Sodium Lamp Transformers: Input: 220Volts AC
35 Watts 55 Watts

CHARACTERISTICS APPARATUS

- 526. Diode Ch. Curve Appts. with 2 Meter DC
- 526A. --do-- With 3 Meter AC/DC
- 527. Triode Ch. Curve Appts. with 2 Meter DC
- 527 A. --do-- with 3 Meter DC
- 528. Diode Half-Wave/Full-Wave Rectifier Appts.
- 528A. P.N. Junc. Semi-Cond. Diode Ch. Appts.
with Round Meter
 - (i) --do-- with 2 Rectangular Meter Deluxe Qty
 - (ii) --do-- with 4 Rectangular Meter Deluxe Qty
- 528B. P.N. Junc. Zener Diode Ch. Appts. (Round Meter)
 - (i) --do-- with 2 Rectangular Meter Deluxe
- 528C. --do-- Deluxe Model with 2 Rect. Meter Qty
 - (i) --do-- with 4 Rectangular Meter
- 528D. Zener Diode Ch. Appts.: with 2 meter
- 528E. --do-- with Four Meter
- 529. Charging & Discharging of a Capacitor Appts.
- 530. Transistor Ch. Appts PNP/NPN: with 4 Round Meter
- 530A. PNP or NPN both Transistor Rectangular Meter
- 530B. PNP or NPN (Any One) Single Transistor
Round Meter
- 530C. PNP or NPN (Any One) Single Transistor
Rectangular Meter
- 531. F.E.T. Ch. Apparatus: with 3 Round Meter
 - (i) --do-- 3 Rectangular Meter
- 531A. U.J.T. Ch. Apparatus: with 3 Round Meter
 - (i) --do-- Rectangular Meter
- 532. Logic Gates Apparatus:
- 532A. AND, NOT NAND gates
- 532B. OR, NOT, NOR gates
- 534. Power Pack Cell Box: 6 Volts DC
- 534A. --do-- 12 Volts DC
- VALVE ON BOARD TRANSISTOR I DIODE
- 536. Diode Triode Pentode Tetrode Thyatron
 - A. PNP or NPN P.N. Junc/Semi Cond. Zener Diode
 - B. Diode Triode Pentode Tetrode Thyatron
 - C. DPDT Swtich on Board with Terminal

CELL HOLDER & SOLDERING IRONS

- 537. Battery Pack: 2 Cell with Wire
- 537 A. Battery Pack: 4 Cell with wire
- 538. Soldering Iron: 65 Watts Indian
- 538A. Soldering Iron: 125 Watts Indian
- 538B. Soldering Wire
- 538C. Paste for Soldering Iron



FUNCTION GENERATOR

- 539. Function Generator FG-1000 :
- 539A. Function Generator FG-100 :
- 540. Half/Full Adder to Verify
truth table using various Gates
- 541. Thermistor Characteristic Apparatus
- 542. Single stage R.C. Coupled (C.E.) Amplifier
- 542A. Two Stage R.C. Coupled Amplifier
- 543. Phase Shift Oscillator
- 544. Energy Band Gap Apparatus
- 545. Demorgan's Theorem of Verification of Logic Gates:
- 545A. --do-- Boolean Identities:

DECADE BOX

- 546. Decade Resistance Box 5 Dial
- 546A. Decade Capacitance Box
- 546B. Decade Inductance Box
Other Range Available Against Enquiry
- 547. Kirchotrs Law Apparatus:
- 547 A. L.C.R. (Series & Parallel) Resonance Circuit with 1Mtr.
- 547B. --do-- with 2 Meter

SPECTROPHOTOMETER

- 548. Spectrophotometer UV-VIS Double Beam assembled
with Imported Kit (German Technology)
- 548A. --do-- UV-VIS Double Beam, Imported Kit
- 548B. --do-- UV-VIS Single Beam, Imported Kit
- 548C. Spectrophotometer, Microprocessor
Visible Single Beam
- 548D. Spectrophotometer Dual Display Digital



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