

PHYSICS INSTRUMENTS

MEASUREMENTS

- P1. Meter Rule Full
- P2. Meter Rule Half
- P3. O Centre Scale

VERNIER CALIPER

- P11. Vernier Caliper with C.P12.5 cm Routine
- P12. Vernier Caliper IME Type in Velvet Case
- P13. Vernier Caliper Demonstration Type



MICROMETER

- P16. Screw gauge routine good quality
(a) 10mm (b) 15mm (c) 20mm (d) 25mm
- P17. Screw gauge Micrometer S.S.in Velvet case
(a) 10mm (b) 15mm (c) 20mm (d) 25mm
- P18. Screw gauge with Demonstration Type
- P19. Spherometer - Disc type - (a) 1/100 (b) 1/200



STOP CLOCK

- P26. Stop Clock Metal Body Esal model ST-1
- P27. Stop Clock Metal Virshi/Venus/Nova/Emkay
- P28. Stop Watch Racer 1/10th 1/5th Mechanical
- P29. Stop Watch racer Electronic
- P30. Quarts Timer
- P31. Ringer Timer



BALANCES & WEIGHT BOXES

- P41. Physical Balance - Capacity 200gms K.Roy
- P42. Chemical Balance - Capacity 200gms K.Roy
- P43. Analytical Balance - Capacity 200gms K.Roy
- P44. Dispensing Balance Capacity
(a) 200gm (b) 100gm © 50gm
- P45. Spring Balance
(a) 100gm (b) 250gm © 500gm (d) 1000gm (e) 2000gm
- P46. Spring Balance Brass
(a) 100gm (b) 250gm © 500gm (d) 1000gm (e) 2000gm
(f) 5kg (g) 10kg (h) 125kg
- P47. Personal Weighing Scale Krups (a) Square (b) Round
- P48. Barun Kitchen/Postal/Chemical Scale
(a) 100gm (b) 500gm © 1kg (d) 5kg
- P49. Digital Top Pan Balance (ROY Electronics)
(a) LCBE 5 - 200gms - 0.01mg (b) LCB 4 - 100gms - 0.01mg
(c) LCBN 1 - 200gms - 0.01mg (d) LCB 3 - 1000gms - 0.01mg



WEIGHT BOXES

- P61. Physical/Chemical Weight Boxes Iron - (a) 100gm (b) 200gm
- P62. Physical/Chemical Weight Boxes Brass - (a) 100gm (b) 200gm

- P63. Analytical Weight Box Brass - (a) 100gm (b) 200gm
 P64. Fractional Weight Box - Desco
 P65. Fractional Weight Box - UTC
 P66. Spare Riders
 P67. Weight Box Forceps
 P68. Loose Weight Analytical
 (a) 1gm (b)2gm ©5gm (d) 10gm (e) 20gm (f) 50gm (g) 100gm
 P69. Loose Weight Physical/Chemical Brass
 (a) 1gm (b)2gm ©5gm (d) 10gm (e) 20gm (f) 50gm (g) 100gm
 P70. Slotted Weight Iron C.P
 (a) 10gm x 5 (b) 20gm x 5 © 50gm x 5
 (d) 100gm x 5 (e) 500gm x 5
 P71. Slotted Weight Brass - C.P 50gm x 5
 P72. Slotted Weight with PVC Coating
 (a) 5x50gms (b) 5x500gms

FLUID MECHANICS

- P81. Over flow Vessel GI
 P82. Over flow Vessel Borosil Glass
 P83. Over flow Vessel PVC
 P84. Specific gravity Bottle Borosil Glass (BG)
 (a) 25cc, (b) 50cc, © 100cc"
 P85. Specific gravity Bottle (Neutral gl)
 (a) 25cc, (b) 50cc, (c) 100cc"
 P86. Bucket & Cylinder
 P87. Hydrometer Universal
 P88. Hares apparatus for comparing densities of liquid.
 Complete with stand
 "Borosil tube, Scale, Pinch clip, Rubber tube."
 P89. U - Tube Apparatus complete with stand and tube
 P90. Metal Cylinders Set of 6 (different type of metal)
 P91. Metal Cubes Set of 6 (different type of metal)
 P92. Pendulum Bobs - Set of 6
 (Brass, Copper Aluminium, Lead, Zinc Iron)
 (a) 12mm (b) 18mm (c) 25mm

PNEUMATIC & HYDROSTATICS

- P101. Air Pump
 P102. bell Jar Apparatus. (a) Pvc 8x4, (b) Glass 8x4, © Glass 10x4"
 P103. Pascal's Law Apparatus - PVC
 P104. Boyle's law Apparatus in Metal with two glass tubes.
 P105. Boyle's (Quills tube in borosil glass capillary with mercury).
 P106. Water level Apparatus

PANEL METERS

- P120. D.C. Voltmeter A - Grade 1.5 - any range
 P121. D.C. Voltmeter B - Grade 2.5 - any range

- P122. D.C. Milli Voltmeter any range
- P123. D.C. Ammeter any range 1.5 - A grade any range
- P124. D.C. Ammeter any range 2.5 - B grade any range
- P125. D.C. Micro Ammeter any range
- P126. D.C. Milli Ammeter any range
- P127. D.C. Galvanometer 30 - 0 - 30 1.5 A grade
- P128. D.C. Galvanometer 30 - 0 - 30 2.5 B grade
- P129. Cell Tester 6V - 0 - 6V
- P130. Digital Multimeter are available on request
- P131. Analog Multimeter



KEY & COMMUTATORS

- P161. Plug key Brass Single
- P162. Plug key Brass Double
- P163. Plug key Brass Triple
- P164. Commutator 4 way plug type
- P165. Reversible Switch
- P166. Tapping Key Single contact
- P167. Tapping Key Double contact
- P168. D.P.D.T.Switch Brass
- P169. D.P.D.T.Switch Routine good quality



VOLTMETERS, CELL & ACCESSORIES

- P171. Water Voltmeters
- P172. Copper Voltmeters
- P173. Simple Cell
- P174. Daniel Cell complete (Copper pot, Zincrod, Empty Poruspot)"
- P175. Lechlanche cell complete (LechlanchePot Glass / Plastic, Charged porous pot, Zinc rod)"
- P180. Lead accumulator 2V - 20 Amp
- P181. Zinc Plate with terminal
- P182. Copper Plate with terminal



Spares

- P186. Copper Pot
(a) 6" x 4" (b) 5 1/2 x 3 1/2"
- P187. Lechlanche cell pot plastic
- P188. Lechlanche cell Glass 2 pint
- P189. Zinc Rod
- P190. Carbon Rod
- P191. Empty porus pot
- P192. Charged Porus pot
- P193. Crocodile clips

RHEOSTAT

- P200. Rheostat with Dia tube 4.4 cm
(a) 6" (b) 8" © 10" (d) 12"
- P210. Rhaostat with 5.6 cm Dia Groove type
(a) 6" (b) 8" © 10" (d) 12" "



RESISTANCE COILS

- P221. Resistance coil with round backlite type any range Known / Unknown
 P222. Resistance coil with transparent cover
 P223. Resistance box plug type
 (a) 1 - 10 ohms (b) 50 ohms (c) 100 ohms (d) 500 ohms
 P224. Resistance box Dial type
 (a) Single (b) Double (c) Three (d) Four
 P225. Post Office Box - Plug type 3 pairs of rate coils 10, 100 and 1000 ohms"
 P226. High resistance 1k, 2k, 5k"
 P227. High resistance 10k, 15k, 20k"
 P241. Potentiometer 10 wires with pencil jockey superior with sunmica top
 P246. Meter Bridge (Wheatstone Bridge) with pencil jockey superior and sunmica on top
 P247. Spare Pencil Jockey Routine
 P248. Spare Pencil Jockey Superior

WIRES

- P251. Copper wire D.C.C
 P252. Brass Wire
 P253. Eureka / Constantan Wire
 P254. Nichrome Wire
 P255. Manganin Wire
 P256. Steel Wire

MAGNETISM

- P275. Alnico Bar Magnet (a) 2" (b) 3" (c) 4"
 P276. Alnico Bar Magnet Parco Type Heavy
 (a) 2" (b) 3" (c) 4"
 P277. Alnico Horse Shoe Magnet
 (a) 2" (b) 3" (c) 4"
 P278. Electromagnet 3"
 P279. Dump Bell Shaped Magnet
 P280. Cylindrical Magnet
 P281. Meldes Electrical Vibrator
 P282. Magnetic Compass 18 mm dia Both Side Glass
 P283. Magnetic Compass 37 mm Aluminium Case
 P284. Magnetic Compass (a) 2" (b) 3" (c) 4"
 P285. Magnetic Needle Brass on stand
 P286. Mareiners Compass
 P287. DIP Circle (a) Wooden (b) Brass
 P288. Deflection Magnetometer (D.M) Board with compass
 P289. D.M. Boardwith permanent compass
 P290. D.M. / T.G. compass spare
 (a) good quality (b) Permanent Magnet
 P291. Tangent Galvanometer with compass
 (a) Aluminium (b) Brass



ELECTROSTATICS

- P301. Gold leaf Electroscope in Bell Jar
- P306. Gold leaf Electroscope in Wooden case

SOUND

- P311. Wave motion apparatus to demonstrate longitudinal & transverse wave motions
- P312. Reflection of sound apparatus
- P313. Sonometer with Aluminum fittings
- P314. Sonometer with Brass fittings
- P315. Slotted weight for Sonometer 500gm X 6 Iron
- P316. Resonance column apparatus Brass pipe
- P317. Resonance column apparatus Iron pipe
- P318. Resonance column apparatus New PVC pipe
- P319. Tuning Fork ordinary set of 8 Routine (different Frequencies)
- P320. Tuning Fork welch type set of 8 (different Frequencies)
- P321. Tuning Fork heavy Welch type set of 8
- P322. Loose Tuning forks. (Welch type)
- P323. Loose Tuning forks. (Welch type heavy)

BATTERY ELIMINATOR

- P331. Battery Eliminator D.C. 2-12V 2 Amps
- P332. Battery Eliminator D.C. 2-12V 3 Amps
- P333. Battery Eliminator D.C. 2-12V 5 Amps
- P334. Battery Charger 12 Voltage 2 Amps
- P335. Battery Charger 12 Voltage 3 Amps
- P336. Battery Box (a) 2 Cell (b) 4 Cell

ELECTRONICS

- P341. Semi Conductor diode characteristic apparatus with 4 Meters
- P342. Zener diode characteristic apparatus
- P343. Transistor characteristic apparatus with 4 meters
- P344. Logic Gate apparatus And, Or Gates
- P345. Logic Gates And, Or, Not, Nand, Nor – (5 in 1) Gates
- P346. Ohms Law Apparatus
- P347. Banana Socket Terminal
- P348. Banana Plug



MECHANICS

- P356. Torsion pendulum Apparatus
- P357. Young's Modulus (Searl's) apparatus with dead load
(a) Iron (b) Brass
- P358. Parallelogram force apparatus wall typr with two
Z – Pulleys and three slotted weight 5 x 50 gms
- P359. Spare Z-pulleys
- P360. Pulleys
(a) Single (b) Doube in Series (c) Doube in Parallel
(d) Triple in Series (e) Triple in Parallel
- P361. Inclined Plane Apparatus

- P362. Penulum Bobs set of 6 (3/4")
- P363. Metal cylinder set of 6
- P364. Hydrostatic Bench
- P365. Bending of Beam apparatus
- P366. Simple pendulum apparatus, complete with stand clamp, cork & pendulum
- P367. Spring constant app. Wooden complete stand, spring & slotted wt. 5x50gms
- P368. Spring constant app. Metal complete stand, spring & slotted wt. 5x50gms
- P369. Spare Spring for Spring Constant
- P370. Hooke's Law Apparatus

SURFACE TENSION & VISCOSITY

- P381. Poilsellus law App. Complete
(Burette, Stand, Clamp, Rubbe tube, Capillary 0.5mm)
- P382. Viscosity Apparatus. By stokes method supplied
with B.Glass floor model
- P383. Viscosity App. By stokes method
B.Glass fitted on wooden, wall hanging model
- P384. Ostwald Viscometer

HEAT

- P391. Ball & Ring Apparatus
- P392. Copper Calorimeter
- P393. Joules Calorimeter 3x2"
- P394. Spherical Calorimeter 2"
- P395. Hopes Apparatus (a) GI (b) Brass (c) Copper
- P396. Steam Boilers (a) 1 lit, (b) 2 lit, (c) 3 lit

LIGHT

- P401. Lenses : Dia 50 mm Convex F.L.
(a) 5 cm (b) 10 cm (c) 15 cm (d)20/25/30/40/50 cm
- P402. Lenses : Dia 50 mm Concave F.L.
a) 5 cm (b) 10 cm (c) 15 cm (d)20/25/30/40/50 cm
- P403. Mirror Convex / Concave 2"
- P404. Mirror Strip 4 x 1
- P405. Mirror Strip Holder-Plastic
- P406. Plane Mirror-4"x4"
- P407. Magnifier with Metallic frame Brass (a) 2" (b) 2.5" (c) 3" (d) 4"
- P408. Glass Slab (a) 75x50x18mm (b) 100x60x25mm
- P409. Glass Prism (a) 38x38mm (b) 50x50mm
- P410. Spectrometer Prism Crown (R.I.1.51) (a) 25x25mm (b) 32x32mm
- P411. Spectrometer Prism DF (R.I.1.62) (a) 25x25mm (b) 32x32mm
- P412. Spectrometer Prism EDF (R.I.65) (a) 25x25mm (b) 32x32mm
- P413. Hollow Glass Prism (a) 38x38mm (b) 50x50mm
- P414. Diffraction Grating 15000 Lines Superior
- P415. Newtons Ring Apparatus
- P416. Liquid Lens Needle

- P417. Lens Holder Wooden
- P418. Lens Screen White Wooden
- P419. Wire Guage Screen Wooden
- P420. Lamp Box Wooden
- P421. Kaledascope Model Plastic
- P422. Periscope Model
- P423. Telescope Model
- P424. Astronomical Telescope Complete in Cabinet
- P425. Terrestrial Telescope Complete in Cabinet
- P426. Tripot Stand for Astronomical / Terrestrial Telescope
- P427. Optic Bench 1 Mtr.Metal Complete

SPECTROMETER & TRAVELLING MICROSCOPE

- P451. Spectrometer 6" Superior Quality with Brass Scale
- P452. Spectrometer 6" Superior Quality with S.S.Scale
- P453. Travelling Microscope Complete with Brass Scale 2 Motion
- P454. Travelling Microscope Complete with S.S.Scale 2 Motion
- P455. Travelling Microscope Complete with Brass/S.S.Scale 3 Motion
- P456. Ramsden Eye Piece Spare
- P457. Cross Wire Spare



METEOROLOGICAL INSTRUMENTS

- P476. Fortin's Barometer Borosil Glass fittings w/o.Mercury
- P477. Fortin's Barometer with Aluminium fittings w/o Mercury
- P478. Aneroid Barometer Wall type
- P479. Aneroid Barometer Demonstration type
- P480. Max Min Thermometer (a) Good (b) Superior
- P481. Wet & Dry Bulb Thermometer
- P482. Wall Thermometer



MISCELLANEOUS ITEMS

- P501. Solar & Lunar Eclipse model
- P502. Phase of Moon Apparatus
- P503. Day & Night apparatus candle arrangement
- P504. Day & Night with electrical fittings
- P505. D.C.Dynamo
- P506. A.C.Dynamo
- P507. Electric Motor
- P508. Electric Bell
- P509. Newtons Colour Disc
- P510. Solar System with nine planet motorized



PHYSICS WOODENWARES

- P551. Burette Stand
- P552. Funnel Stand
- P553. Lens stand single
- P554. Knife edge stand

- P555. Hares stand with scale
- P556. U.tube stand with scale
- P557. Deflection Magnetometer
- P558. Lamp Box
- P559. White Screen
- P560. Wire Gauge Screen
- P561. Sodium Vapour Lamp Box 35W
- P562. Sodium Vapour Lamp Box 55W
- P563. Test tube stand 6 holes
- P564. Spring Constant Apparatus
- P565. Hydrostatic Bench
- P566. Meter Bridge
- P567. Potentiometer 10 Wire
- P568. Sonometer
- P569. Drawing Board (a) 18x12" (b) 16x23"
- P570. Parallelogram Board Wall Type
- P571. Stokes Apparatus Stand
- P572. D.P.D.T.Switch

THERMOMETER

- P601. Chemical Thermometer Mercury/Alcohol
 (a) 0-50°C (b) 0-110°C (c) 0.250°C
 (d) 0-360°C (e) 0-220°F
- P602. Precision Thermometers
 (a) 0-110°Cx1/2 (b) 0-110°Cx1/10°C
 (c) 0-110°Cx1/5°C (d) 0-50°Cx1/10°C (e) 0-50°Cx1/5°C
- P603. Long Stem Thermometer
 (a) Length 18" 360°C (or) 250°C 110°C
 (b) Length 24" 360°C (or) 250°C 110°C
- P604. Clinical Thermometers
- P605. Wall Thermometers
- P606. L-Shaped thermometers for ovens.
- P607. Dial Thermometer (a) 2" (b) 3"
 (Zeal Imported Thermometers are available on request)