Physics Lab Equipments & Experimental Setups

ME 877 - To determine the height of a tower by a Sextant

Setup Consist of :

- Sextant apparatus (Brass) with stand.
- Measuring tape : 30 Meters

ME 907 - To determine the Poisson's ratio for rubber

Setup Consist of:

- Rubber tube with metal sleeves on stand with scale
- Small burette with rubber cork
- Slotted weight : 2500gm
- Vernier caliper : Least count - 0.01cm Range :15cm

ME 908 - To determine the value of the modulus of rigidity of the material of a given wire by a dynamical method using Maxwell's needle

Setup Consist of :

- Maxwell's needle : 30cm (with wall attachable stand)
- Screw gauge : Least count - 0.01mm
- Wire (Steel wire) : Dia 1mm - 2 Meters
- Measuring tape : 3 Meters
- Stop watch (Digital) : Least count - 0.01 Sec

Optional Accessories:

- Low power Telescope with stand
- Needle with stand

ME 881 - To determine the thermal conductivity of a good conductor by Searle's method.

Setup Consist of:

- Searle's set-up
- Thermometer : -10 to 110 Degree C (2 Nos.)
- : Sensitive Thermometer Least count - 0.1Deg.C (2 Nos.)
- Steam boiler
- Stop watch : Least count - 0.01 Sec
- Vernier caliper : Least count - 0.01cm Range :15cm
- Hot plate
- Beaker : 500 ml