

Product Name :
Solar Energy Demonstration Apparatus

Product Code :
CHINAELABC3020002



Description :

Solar Energy Demonstration Apparatus

Technical Specification :

Measures output and efficiency against solar energy input
Effect of different absorbent surfaces
Effect of ambient temperature, wind velocity and the effect of cooling the glass cover
Effect of insulation thickness
Investigate the effects of varying the inclination of the absorption surface and the flow rate of the water
To perform a heat balance for the overall system

Features of Solar Energy Demonstration Apparatus:

Temperature measurement at eight points
USB data logger and PC
Removable solar radiation mat
Extendable tray angles and hence flow rates
Variable angle of incidence of sunlight on the absorbing pad
Variable thermal insulation material mounted horizontally on a rigid steel stand
Ability to tilt base continuously by $+10^\circ$ and -10° to the horizontal
Horizontal rotation of basin through 180°
Non corrosive materials used in all critical areas



Engineering Lab China