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**Product Name :**  
Solar Energy Demonstration Apparatus

**Product Code :**  
ENGLABINGCAG10700002



**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° and -10° to the horizontal  
Horizontal rotation of basin through 180°  
Non corrosive materials used in all critical areas



# Engineering Lab Equipment India