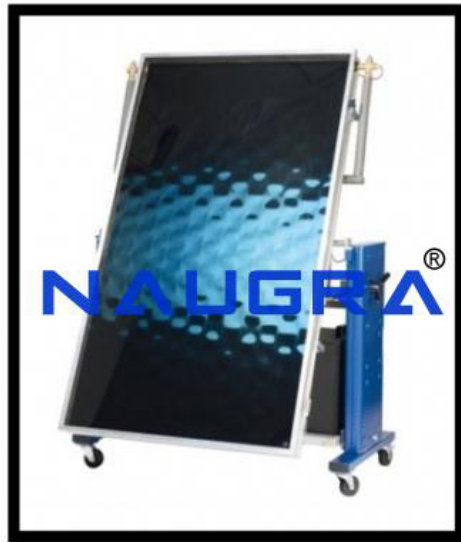


Product Name :
Domestic Water Heating With Flat Collector

Product Code :
DM151



Description :

Domestic Water Heating With Flat Collector

Technical Specification :

Domestic Water Heating With Flat Collector

Investigating the function and operating behaviour of a flat collector

Solar thermal flat collector with selectively absorbing coating

Adjustable collector inclination angle

Solar circuit with collector, pump, expansion vessel and safety valve

Hot water circuit with buffer tank, pump and plate heat exchanger

4 bimetallic thermometers

Solar controller with temperature, flow rate and illuminance sensors

Data logger with sd memory card

Integrated router for operation and control via web browser using an end device and for tracking experiments on any number of end devices

Experiment evaluation on windows-based end devices possible, with additional producer software of the solar controller

Operation with solar radiation or Artificial light source

Technical data:

Solar circuit

Collector

Absorbing surface: 2,3m²

Rated throughput: 20â€”200l/h

Operating pressure: 1â€³3bar
Safety valve 4bar
Hot water circuit
Plate heat exchanger: 3kw, 10 plates
Buffer tank 70L
Measuring ranges
Flow rate: 20â€³300L/h
Temperature: 4x 0â€³120Â°C
230V, 50Hz, 1 phase.

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