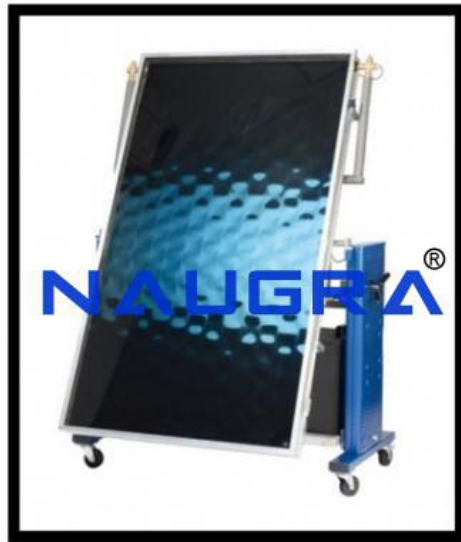


Product Name :
Domestic Water Heating With Flat Collector

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.

Naugralabequipments

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