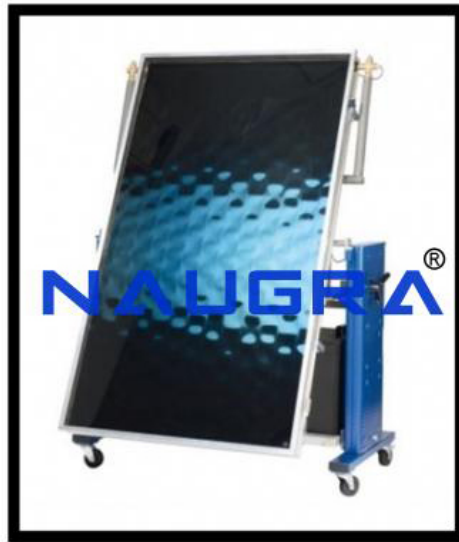


**Product Name :**  
Domestic Water Heating With Flat Collector

**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: 2,3m<sup>2</sup>

Rated throughput: 20...200l/h

Operating pressure: 1...3bar  
Safety valve 4bar  
Hot water circuit  
Plate heat exchanger: 3kw, 10 plates  
Buffer tank 70L  
Measuring ranges  
Flow rate: 20...300L/h  
Temperature: 4x 0...120°C  
230V, 50Hz, 1 phase.

## Naugralabequipments

**Website:** [www.naugralabequipments.com](http://www.naugralabequipments.com), **Email:** [sales@naugralabequipments.com](mailto:sales@naugralabequipments.com)

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003