

**Features :**

The Didactic Test Bench For Solar Water Heaters is designed for the production of domestic hot water enabling the learner to study:

- The training laboratory system should be designed as an educational equipment for practical laboratory tests.
- The training system should consists of:
- Laboratory unit mounted on a platform;
- Solar collector mounted on a platform;
- Storage water heater mounted on a platform.
- The following equipment to be installed on the mobile platform:
- Pumping unit;
- Pipeline accessories;
- Expansion tank;
- Water meters;
- Pulse flow meters;
- Temperature-sensing points (Pt500).
- The panels of : thermal energy flow meters (heat meters), thermometers with remote sensors,
- Solar energy unit digital controller must be mounted at the front of the frame.
- The measuring system should include digital thermometers with 4 remote sensors,
- Digital and analog flow meters and water meters (4), 2 heat meters,
- 4 mounted water temperature-sensing points (Pt500), 3 multifunction meters of electric power parameters.
- The laboratory bench must be completely ready for operation, it's possible to connect

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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external heating devices and additional modules.

- The laboratory bench set also include the following software and methodological and technical documentation for teaching staff.

Experiments to be provided:

1. The study of the solar power unit;
2. Solar collectors. General characteristics;
3. Mounting and working with the equipment;
4. The study of the solar collector operation;
5. Solar power unit controller.

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