

**Training Capabilities:**

- Instantaneous solar collector efficiency, at various ambient temperatures

Technical Specifications:

- Features a colored panel that reproduces a typical solar thermal system.
- Includes a data acquisition and actuators control board with USB connectivity.
- Equipped with 9 potentiometers to simulate various analog inputs (e.g., temperatures and setpoints).
- Contains 4 switches for simulating digital inputs and 4 LEDs for digital outputs.

Power Supply:

- Operates on 230 Vac 50 Hz single-phase power.

Components:

- Data acquisition and actuators control board
- PC connection via USB cable

9 Potentiometers to Simulate the Following Analog Inputs:

- Inlet fluid parameter
- Solar collector outlet temperature
- Temperature at the tank bottom
- Controller setpoint
- Temperature at the tank top or at the second tank
- Tank setpoint
- User hot water temperature

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



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- Anti-scald mixing valve setpoint
- Domestic water needs

3 Bar-LEDs to Simulate the Following Analog Outputs:

- Solar collector efficiency
- Mixing valve opening
- Integration fuel boiler power modulation

4 Switches to Simulate the Following Digital Inputs:

- System enabling
- Flat plate / evacuated tubes collector
- Power integration enabling
- Hot water faucet opening

4 LEDs to Simulate the Following Digital Outputs:

- Primary circuit pump status
- Power integration fuel boiler status

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