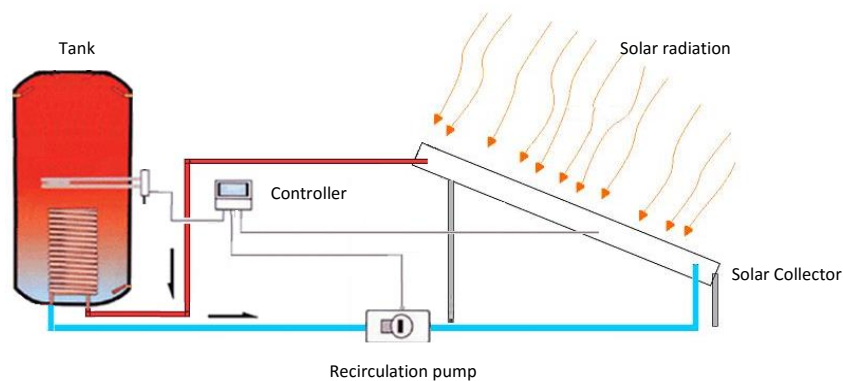# SOLAR HEATING TRAINER

LT - AE - SC

Solar heating trainers are becoming more popular every time, because of the high power bill costs and the growth and development of the renewable sources.

This water heating trainer is directed to flexible study and research to allow professors and students the complete understanding of solar heaters as an efficient, ecological and economical alternative for applications on heating.

This real yet practical system allows many options:

- Study of each independent component: solar collector, recirculation pump, temperature transference and the different trends on solar heating techniques.
- Control of process in manual or automatic (with pour trainers PTS F1616)
- Research and optimization of heating control algorithms.
- Design of scaled systems for residential and industrial applications.

You can use any PLC or PC to provide the control or our Powerful PTS F1616, loaded with several capabilities and options.

This Solar heating trainer includes licensed SCADA software. Monitoring , trends, control , process verification is possible. This software widens the applications in research, training or productivity.

Technical specifications

- Single phase 115VAC
- Consumption: 2 Amps.
- Aprox. Weight: 70kg.
- Dimensions: 1,50 x 1,5 x 7 meters.
- All signals avaiulable on control panel.
- Pressure Relief valve
- 10 Litters Collector.
- Automatic control system.
- 7 temperatures sensed.
- Pump presssure transducer
- Metal frame mounting

Includes:

- 7 Thermocuple transmitters
- Water container tank.
- 3 speed pump.
- Pressure tank.
- Solar collector.
- Recirculation pump.
- Output valve.
- Internal spray shower.
- Luxómeter.
- Level control.
- RS 485 port to monitor data.
- Manuals for operation and training.

LATIN TECH INC.
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Miami 33016, FL, USA

Discover and new experience in education and research.
More realistic lab practices.

Other Products

- Climate change chamber Phytotron.
- Algae Biofuel Pilot Plant.
- Bioethanol Plant.
- Inverter Pendulum.
- Speed, position and generation plant.
- PLC trainer (Generic, AB, Siemens,etc.).
- Solar heating system.
- Hydrogen cells trainer.
- Solar and Eolic energy trainer.
- Water supply plant.
- Motor-generator plant.
- Drives.
- SCADA.
- Drives.