Environmental Systems Solar Trainers

Educational Training Equipment for the 21st Century

Bulletin 230-1M

MODEL H-SST-1A
Front view showing components
Overall Dimensions: 72"H x 48"W x 34"D
Shipping Weight: 450 lbs.

H-SST-1A
Solar System Trainer

The Hampden **Model H-SST-1A** Solar System Trainer is an actual solar hot water heating system. System components include a solar collector, circulation pumps, storage tank, heat exchanger, air separator, air handler, solar heating coil, automatic air vents, thermostat, and a control panel with sensors. Gauges, thermometers, and flowmeters permit students to observe pressures, temperatures, and flow rate while the system is in operation. The trainer is mounted on a mobile frame and the collector panel is adjustable for easy positioning in direct sunlight. An electrical fault package option can be added, specify **H-SST-1A-FP**. A Computer Data Logging Option can be added, specify **H-SST-1A-CDL**.

MODEL H-SST-1A
Back view showing solar collector tilted toward sun

MODEL H-SHST-1
Dimensions: 36"H x 36"W x 13"D
Shipping Weight: 255 lbs.

H-SHST-1
Solar Heat Service Trainer

The Hampden **Model H-SHST-1** Solar Heat Service Trainer contains the actual control components of a solar heating system, including: sensors, relays and thermostats. Each component terminates at Hampden binding posts for easy interconnection into several configurations. Up to 21 faults may be inserted from the panel on the side. Furnished with cords.

MODEL H-HYD-1A
Dimensions: 36"H x 36"W x 13"D
Shipping Weight: 290 lbs.

H-HYD-1A
Solar Hydronics Trainer

The Hampden **Model H-HYD-1A** Solar Hydronics Trainer contains the plumbing components typically found on most active solar-heated circulating hot water heating systems. It includes both the storage (open) loop and the exchange (closed) loop. The solar collector is represented in the exchange loop by two parallel piping segments that include clear plexiglas tubing. The trainer is completely self-contained, tested, and ready for operation, except for the addition of water to the storage and exchange loops.

All Hampden units are available for operation at any voltage or frequency

Hampden® ENGINEERING CORPORATION

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P.O. Box 563, East Longmeadow, MA 01028 • Tel 413-525-3981 • Fax 413-525-4741 • E-mail sales@hampden.com **800-253-2133**