

TH 202 CONCENTRIC TUBE HEAT EXCHANGER, Transparent Casing

GENERAL DESCRIPTION

The apparatus is used for studying the heat transfer through a concentric tube under parallel or counter flow conditions.

The unit consists of a concentric tube heat exchanger, and a service module. The module comprises a service module, hot water tank with a transfer pump and instruments for monitoring and control. Parallel or counter flow is by switching cold water hoses. The unit requires outside cooling water supply.



TYPICAL EXPERIMENTS

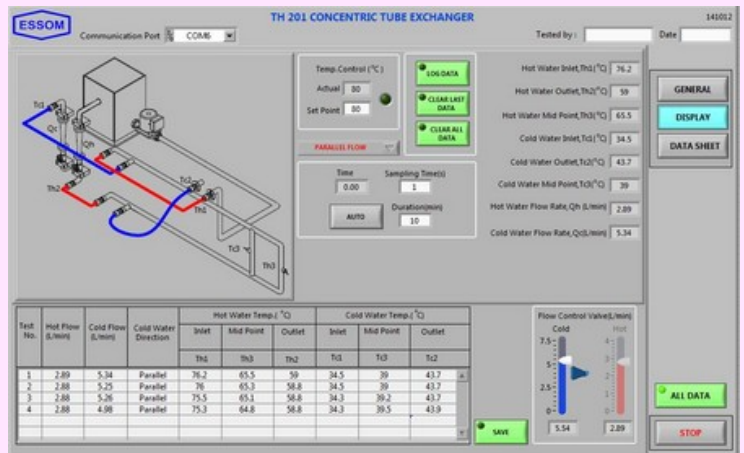
- Demonstration of heat transfer under parallel and counter flow.
- Determination of heat transfer coefficient.
- Effects of flow rate and temperature difference.

TECHNICAL DATA

- Construction : 2 sections of stainless steel inner tube with clear acrylic casing.
- Service module consisting of :
 - Hot water tank and pump.
 - Heater : 3000 W.
 - Temperatures : 6 ea.
 - Flow meters : Hot water and cold water.
 - Temperature control unit : 1 ea.
- Power supply : 220V 1Ph 50 Hz. Other power supply is available on request.

OPTIONAL EQUIPMENT

- TH 201-050 Computer Interface
This includes sensors, computer interface unit, and software for data display and analysis by computer (separately supplied).
- TH 201-060 Computer Control
This includes control motors, sensors, computer interface unit, and software for data display, analysis, and control by computer (separately supplied).



Net (unpacked) shipping dimensions WxLxH : 50 x 84 x 65 cm
 Net weight : Approx. 33 kg