

Product Name :
Heat Transfer at Pipe Walls**Product Code :**
ELABBAT0018 LAB ENGINEERING**Description :**

Heat Transfer at Pipe Walls

Technical Specification :

Heat Transfer at Pipe Walls Technical Description The characteristic properties of the heat transfer in turbulent flow in a pipe heat exchanger are demonstrated using this unit. It is possible to demonstrate both parallel and counterflow operation. The non-linear temperature distribution along a heat exchanger can be demonstrated by measuring temperatures at the inlet, outlet and halfway along the pipe. During this process the water temperature in the inner and outer pipes are measured. An additional measurement of the pipe wall temperature on the inner pipe enables the heat transfer at the wall to be investigated in detail. During the experiment, key parameters such as heat transfer rate, heat transfer coefficient and heat loss are determined. The components for the unit are clearly laid out on a panel so that the function of the heat exchanger is easy to follow visually. The system is designed to be set up on a table. A supply of cooling water is required.

 **LAB ENGINEERING****Elab Engineering Equipments Manufacturers**