e-DIDAC
TRAINING SOLUTIONS USA

Shell and Tube Heat Exchanger
(EDC-HT-015)

EXPERIMENTAL DATA:

- Function and working of Shell and Tube Heat Exchanger.
- Clockwise Flow Operation.
- Counter Clockwise Flow Operation.
- Calculation of heat transfer coefficient.

DESCRIPTION:

A heat exchanger is a system used to transfer heat between two fluids. Heat exchangers are used in both cooling and heating processes. Shell and Tube Heat Exchanger design has large heat transfer surface with compact design. This type of exchanger mostly uses in chemical and pharmaceutical industries.

Optional Software is available for Data Acquisition and Control Function.

SPECIFICATIONS:

- Shell and tube heat exchanger.
- Cross parallel flow.
- Cross counter flow.
- Transparent shell.

TECHNICAL DATA:

- Manual valve to control the direction of clock and counter clock wise.
- Digital flow and temperature sensors.
- Shell:
  - Transparent PMMA.
  - Outer dia.: 75mm.
- Tubes bundles:
  - No. 7.
  - Stainless Steel.
- Storage tank with water pump.
  - Pump: 0.37kW.
  - Flow max.: 40 LPM
- Heater:
  - 1kW.
- Water storage tank capacity 40L.
- LCD Display and control.
- 230V AC 50Hz.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 1000 X 400 X 1600 approx.
- Weight: 35 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-HT-015.
- 1 x Instructional Manual.

EDIDAC LLC, 4572 OAK SHORES DRIVE, PLANO, TEXAS, 75024, USA. Web: www.edidacllc.com
EMAIL: edidacllc@gmail.com We reserve the right to modify our products without any notifications.

1