

STEAM ENGINE

RT 059

Description:

This device is consisted of a steam engine where gauges and thermometers are installed in various points for measuring pressure and temperature. In this experiment, the purpose is making a comparison between the efficiency of this machine in different conditions. Also, the changes in water and saturated steam temperature in relation to pressure are studied, and finally, experimental data and theoretical data are compared. In the end, it can be observed that the cycle efficiency of the machine increases when the pressure of the discharge valve increases, and by decreasing the pressure of steam boiler in saturation, its temperature decreases too.

Specifications:

- Steam engine
- Pressurized tank
- Double walled tank
- Pressure switch
- Safety valve
- Electrical control panel with switches and displays
- RPM indicator
- Heating element
- Temperature sensor
- Pressure gauge
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Obtaining the steam pressure curve
2. Determining the output power
3. Determining the efficiency of the system

Required For Operation:

- 220 v Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1500×800×1500

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