

Product Name :
Computerized Air Conditioning Trainer**Product Code :**
RCTE0016**Description :**

Computerized Air Conditioning Trainer

Technical Specification :

This trainer is designed for studying of the thermodynamic transformations the air undergoes when crossing the various stages of a modern air conditioning unit that serves a room where temperature and relative humidity must be checked. Measuring air temperature and humidity in different points enables to analyze air cooling, heating, humidification, dehumidification. Moreover some simulators of room and outdoor temperature and of room humidity are included to verify the logic of control system in all the conditions that can occur in an air handling unit. The equipment is also provided with sensible and latent heat generators installed in the test room that can be used to vary the thermal load in the same room and to check the response of the control system. The controller includes the functions of calibration and control, it enables students to energy to enter the points of control system, such as set points, measurement values, etc... via a PC (demand), so that any alarm along the circuit can be detected and a different management of the system can be programmed. Supply software which can monitor voltage, current, frequency, power, power factor, pressure, flow, etc, they can be displayed on PC in real time, and can print report.

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