



AIR CONDITIONING TRAINER

The trainer is a heat pump split air conditioning system, which gives students advanced instructions on the components and operation of an air conditioning and refrigerating system. The trainer includes refrigerating, electrical control, fault insertion, and fault elimination systems.

It consists of: control panel, outdoor unit and indoor unit of an air-conditioning system, measuring instruments, AC power supply control unit, fault insertion unit and fault elimination unit, etc.

Features:

- It utilizes an actual refrigerating unit with the functions of refrigerating, heating, ventilating, dehumidifying, temperature and wind speed selection, timing, sleeping, etc.
- It integrates: refrigerating system, electrical control system, fault insertion system and fault elimination system, meeting the training requirements of an air conditioning and electrical control system.
- It clearly shows the inner components layout and refrigerating cycle system structure; it demonstrates the operating principle of a heat pump type air conditioner; it comes with AC voltmeter, AC ammeter, thermometer, vacuum pressure gauge, pilot lamps, and LED to show the system real-time status; the main control board is covered with a transparent board to facilitate observation; schematic diagram of control system and relative test points are available; sight glass in the pipeline is used to observe refrigerant status; HV pipeline is marked with red, while LV pipeline with blue, relative components are all labeled.
- It includes a connection area for electrical control circuit of outdoor unit to train students' hands-on ability.
- Fault insertion and suppression.



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