



Features

- Compact Module to understand components used in electronic control of Automotive Air Conditioning System.
- Electronic circuit with schematic diagram
- Sensors with test points.

Automatic Air Conditioning Simulator Trainer Order Code : 32509 is designed to make the students understand components used in the electronic control systems of automobile air conditioning system. The module is fitted with different sensors used in electronic control system. A schematic of air conditioning system components is also printed on the module for easy understanding of the air conditioning system. Fault simulation can be done in this module.

Technical Specifications

- A floor standing flow channel for use with a Hydraulics Bench
- Schematic diagram with LEDs
- Sunlight sensor with test points
- Air quality sensor
- Anti-frost sensor with simulation range of -5 °C, 0, + 5 °C and +10 °C
- Linear pressure sensor for simulating gas pressure
- Temperature sensor of conditioned air
- External air temperature sensor
- Air door actuator with test points
- The fault insertion system to simulate electrical
- Interconnection and test points

Experiments

- Operating principle of refrigeration cycle
- Operation of Sunlight sensor
- Working of Exhaust gas sensor
- Working of Anti-frost sensor
- Working of Linear pressure sensor
- Working of Temperature sensor of conditioned air
- Working of External temperature sensor
- Working of Air door actuator
- Electrical test
- Troubleshooting

Services Required

1. Hydraulic Bench & Water Supply.
2. Electrical Supply, 240 V, Single-phase, 50 Hz.

Note: Specifications are subject to change.

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