



Trainees can wire the circuit of compressor personally using KR-105. Two start-up methods (current-mode and PTC) are provided in this training system.

Trainees can measure and observe the signals on terminals in the start-up circuit to comprehend its operating principle. In addition, the trainer consists of a real refrigeration system. Hence, the start-up circuit can drive a real compressor when the wiring is completed. High / Low pressure gauges and voltage / current meters are embedded in front panel. The copper tubes in the system have reserved apertures for users to measure the temperature. Each component in the system is fixed individually. A transparent acrylic cover is assembled which can protect the components and make trainees observe the component's structure clearly. Two fans are installed on the evaporator and the condenser respectively for adjusting evaporation and condensing conditions, which makes experiments diversified.

List of Experiments

1. In-Circuit component testing
2. PTC Start-Up practice
3. Current-mode Start-Up practice
4. Refrigeration system introduced and operation
5. Desiccant air conditioning principles introduced
6. Drawing mollier diagram
7. Evaluation and comparison of refrigeration performance

Other info

- The components' structure can be observed clearly, and protected by transparent acrylic cover.
- Two start-up methods are included (current-mode and PTC).
- Quick connectors are used in each component for easy wiring.
- A real circulation of refrigeration system is included for users' observation and analysis.
- Several apertures are reserved for users to measure the temperature easily.
- A fan with standalone switch is installed on the evaporator for users to adjust heat absorption of the evaporator.
- A fan with standalone switch is installed on the condenser for users to adjust heat dissipation of the condenser.
- High / Low pressure gauges are embedded in front panel and connected with the compressor for observing the pressure change.
- Trainees can use the fixed valve to practice the refrigerant supplement.

K&H MFG. CO., LTD.

5F, No. 8, Sec. 4 Tzu-Chiang Rd., San Chung City 241,
Taipei Hsien, Taiwan R.O.C.

<http://www.kandh.com.tw> E-Mail: education@kandh.com.tw

Fax: 886-2-2287-3066, 2287-9704 Tel: 886-2-2286-0700, 2286-7786

RAPAS kft

1184 Budapest Üllői út 315.

Tel: 06 1 294 2900 Email: rapaskft@digikabel.hu Internet:

www.oktatasi-eszkoz.hu