# 主图

# HLM-8005 Magnetic stirring high and low temperature thermostat

**1、Application**

HLM series magnetic stirring low temperature reaction tank can be realised by low temperature constant temperature or high temperature constant temperature of the sample directly magnetic stirring, without the need for external installation of electric mixer for sample stirring, easy to use and safe. It is suitable for temperature control in chemical synthesis, testing of electronic components at different temperatures, and material testing.

**2、Features**

● The reaction tank with low temperature -80℃ adopts double-stage compressor compound stack refrigeration technology, strong refrigeration, and reaches the target temperature faster;  
● The use of PID temperature control with advanced proportional refrigeration control technology greatly improves temperature stability;  
● The magnetic stirrer inside the vessel is rotating, which can maintain the sample temperature uniformity and good precision for a long time;  
● DC brushless motor with long life, trouble-free and infinitely adjustable speed;  
● Alarm light and sound reminder at the same time, various alarm codes are displayed to determine the cause of the fault and repair methods;  
● A variety of operating modes can be selected, accidental power failure can be automatically restored.

1. **Technical Parameters**

|  |  |
| --- | --- |
| Product Model | HLM-8005 |
| Product No. | 1032021001 |
| Tank volume (L) | 5 |
| Temperature range (℃) | -80~20 |
| Temperature stability (℃) | ±0.1 |
| Display precision (℃) | 0.1 |
| Use of ambient temperature (℃) | 5~32 |
| Speed range (RPM) | 100~1200 |
| Speed regulation mode | Touch Screen |
| Power supply voltage (V) | 200~230 |
| Display temperature mode | TFT |
| Safety Protection | High temperature protection /Over temperature protection |
| Heating power (W) | 750 |
| Cooling power(W) | 900 |
| Refrigeration capacity (W) | 400 |
| Refrigerant | R404A+R23 |
| Stirring sub size (MM) | φ8\*30 |
| Sink opening(MM) | φ210 |
| Bath size (MM) | φ210\*150 |
| Max capacity of reaction vessel(Max diameter) | 1000mL  φ175 |
| Overall Dimension(MM)(W\*D\*H) | 355\*455\*865 |
| Packing size(MM)(W\*D\*H) | 545\*430\*1300 |
| Net weight (kg) | 62 |
| Gross weight (kg) | 70 |

1. **Packing List**

|  |  |
| --- | --- |
| Name | QTY |
| Main unit | 1 piece |
| Retractable tank cover | 1 piece |
| Magnetic stirrer | 1 piece |
| Vessel Clamp Column | 1 piece |
| Vessel clamp | 1 piece |
| Vessel Clamp Holder | 1 piece |
| Instruction manual | 1 piece |