



Magnetic Hotplate Stirrer with Digital Display  
(Part #: HP5LDT & HP5LDTS)  
**User Guide**

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## I: Product Brief

Scienceline heating magnetic stirrer adopts international advanced design concept and manufacturing technology. It is a rare instrument for scientific research and experiment. This heating magnetic stirrer is mainly used to stir and heat low viscosity liquid or solid-liquid mixtures.

Features:

- Full Set includes support stand and probe. Also available without the stand and probe (Part #: HP5LDT).
- Digital display for time and speed control.
- Accurate temperature control.
- Over temperature protection.
- Strong magnetic power.

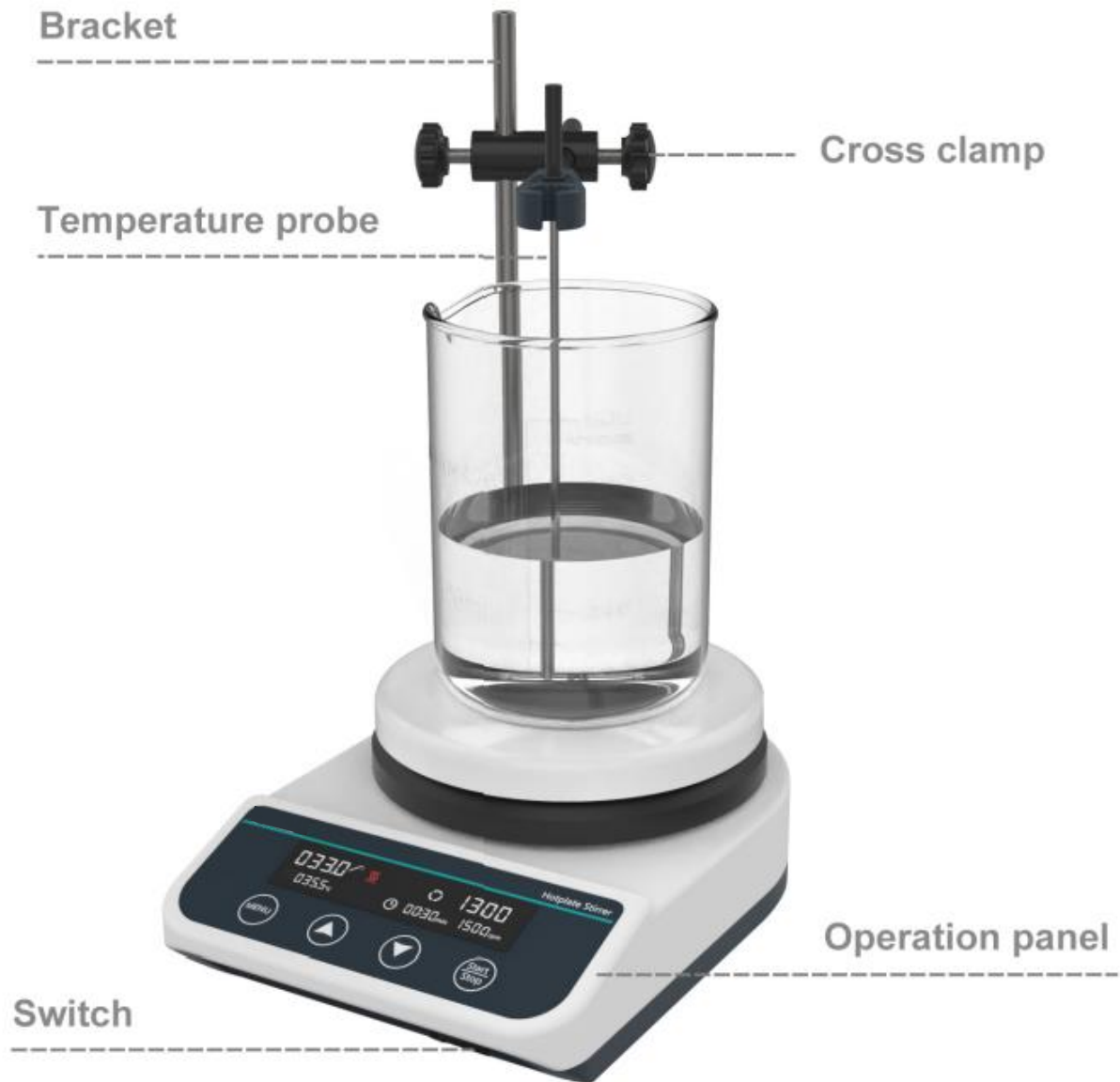
## II: Product Overview



### Models:

Part #	Description
HP5LDTS	Magnetic Hotplate Stirrer – Full set with stand and probe
HP5LDT	Magnetic Hotplate Stirrer – No stand or probe

### III: Product Introduction



## IV: Product Data

<b>Control Type</b>	Digital control panel
<b>Motor type</b>	Brushless motor
<b>Speed</b>	50 - 1500 rpm
<b>Direction of Rotation</b>	Right
<b>Max Stirring Volume</b>	2L (H <sub>2</sub> O)
<b>Working Plate</b>	135MM (anti-corrosion ceramic plate)
<b>Plate Temperature</b>	260°C
<b>Liquid Temp Control Accuracy</b>	±1°C
<b>Plate Temp Control Accuracy</b>	±3 °C
<b>Power</b>	400W
<b>Stir Bar Size</b>	20 – 40mm
<b>Temperature Sensor</b>	Inside and outside PT1000
<b>Shell Protection Level</b>	IP42
<b>Product Size</b>	155 x 220 x 700 mm
<b>Net Weight</b>	0.7 KG

## V: Correct Usage

### Application

It is mainly used for stirring and heating liquid or solid-liquid mixture with low viscosity.

### Usage

It is widely used as an experimental tool in colleges and universities, environmental protection, health, epidemic prevention, chemical industry, tap water, medical treatment and other units.

### Steps for Usage

- Turn on the power
- Press the menu key to select the temperature, press the up and down keys to set, and then the temperature is adjusted to “--: --” without heating
- Press the menu key to select the number of revolutions, press the up and down keys to set, and the speed is adjusted to 00:00 without stirring
- Press the menu key to select the time, press the up and down keys to set, and the time is adjusted to “--: --” as long-term action (the time area of long-term action state will be hidden) , Timing status (time is displayed)
- Press the start/stop key to start/stop

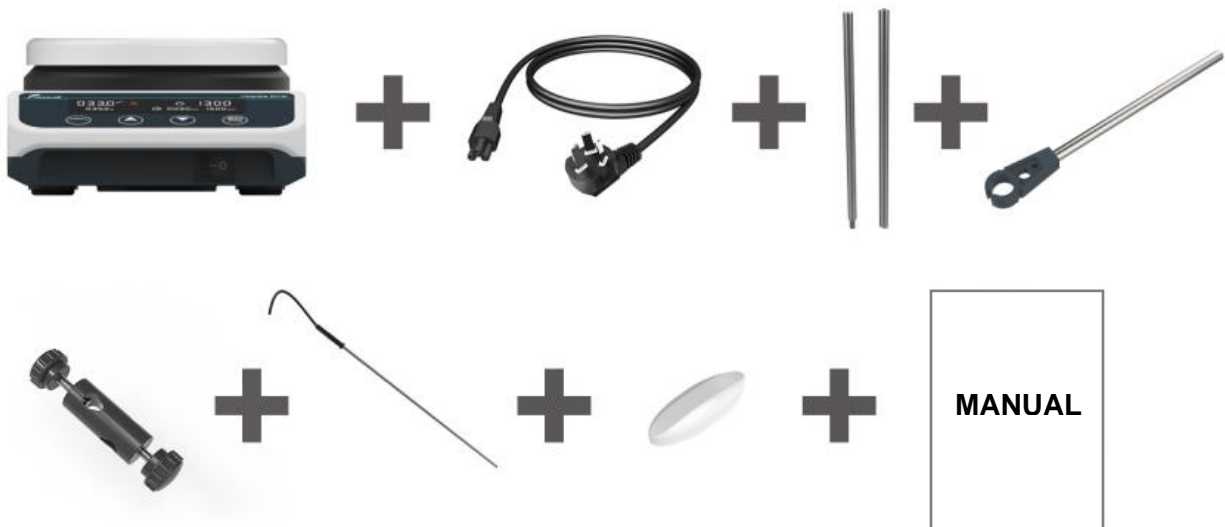
## Instrument Use Environment

- Indoor use
- Altitude:  $\leq 2000\text{m}$
- The working temperature range of the instrument is  $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- The applicable temperature range of the instrument is  $\leq 80\%$
- There is no vibration and airflow that affect performance around

## Safety Precautions

- Do not unplug or plug the power connector or toggle the power button when your hands are wet with liquid
- Do not unplug the power plug when the instrument is powered on
- Do not clean the instrument when it is powered on
- Do not install the instrument on an uneven, swaying and vibrating work surface

## Package List



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