



## AHA Series

### Hotplate -AHA Series Analog And Digital Control

#### Key Features

- ◎ MOQ=3
- ◎ High quality
- ◎ Max. temp.=350°C

AHA-101



AHA-102



AHA-105/106/107/108



AHA-103/104



#### Product Description

##### Heating Control:

1. Proportional Voltage or Thermal-Regulator – Simple, Economic, Less Accurate;
2. PID control – Accurate, Stable;
3. Additional external sensors in digital display models – used for monitoring or controlling the solution temperature;
4. "Safe sample temp lock" function in advanced models – machines turned off if temperature > 3 °C of the set temperature;
5. Timer – Up to 999 minutes can be set for heating.

##### Stirring Control:

1. Control the speed with sensors – Constant speed, No disengagement of the stir bar, Gradual increase in speed;
2. Brushless motors used in the digital display modes – Independent from the input voltage, Constant speed, No disengagement of the stir bar, Gradual increase in speed;
3. Step motors in low speed – Gentle, low movement.

##### Top Materials:

- 1&2. Glass ceramic top – High heating temperature, Anti-corrosive, Less uniformity across the plate, Frequently used in heating solution;
3. Aluminum top – Good heat transfer rate, Better uniformity across the plate: used in heating sample on the plate, Generate the eddy current when stirring and reduce the stirring power;
4. Stainless steel top – Good uniformity and heat transfer rate, No eddy current to get more powerful stirring, More expensive, Max temperature only at 300 °C.

##### Different Size and Shape:

Small, large, square, round, multi-position

#### ◎ Aluminum Top Hotplate Element:

| Model          | AHA-101                | AHA-102                | AHA-103 | AHA-104 | AHA-105 | AHA-106 | AHA-107 | AHA-108 |
|----------------|------------------------|------------------------|---------|---------|---------|---------|---------|---------|
| Control        | Analog                 | Analog                 | Analog  | Analog  | Digital | Digital | Digital | Digital |
| Plate(mm)      | 127×127                | 150 Diameter round top | 178×178 | 300×300 | 178×178 | 178×178 | 300×300 | 300×300 |
| Max. Temp      | 370°C                  | 350°C                  | 350°C   | 350°C   | 350°C   | 350°C   | 350°C   | 350°C   |
| Safety Protect | No                     | No                     | No      | No      | No      | Yes     | No      | Yes     |
| Power Supply   | 230V,50HZ or 110V,60Hz |                        |         |         |         |         |         |         |