

SD34-1 Intelligent Electric Hotplate

Classification: Intelligent Electric Hotplate

Tel: 022-24333389



Product Overview

The SD34-1 Intelligent Electric Hotplate is widely used for sample baking, drying and sample digestion test. It is a necessary tool for geological, metallurgical, environmental protection, agriculture, grain and cooking oil, forestry, food, medical and health, biochemical and other laboratories, as well as teaching and research. Sample digestion before chemical analysis of soil, feed, plants, seeds, heavy metals, ore. It is an ideal equipment of sample pretreatment for analytical instruments such as AA, ICP, ICP-MS, and atomic fluorescence. It can also be used for pretreatment and acid removal treatment of microwave digestion.

Key Features



High Temperature Resistance

Maximum temperature up to 350°C (surface temperature)



Corrosion Resistance

Resistant to sulfuric acid, salt acid, nitric acid, hydrofluoric acid, high-temperature aqua regia, and various corrosive gases



Fast Heating

Room temperature to peak temperature >40 minutes, uniform 6.9°C/°C



Digital Display

Instrument displays real-time temperature on the surface (working temperature)



Temperature Control

Surface temperature difference $\leq \pm 2^\circ\text{C}$, same batch test (nine-point test), simultaneous heating



Precise Control

High-precision PID control, control accuracy: $\pm 0.1^\circ\text{C}$



Pollution-Free

Surface hardness: Mohs 8, density 3.02, no leakage, no pollution



Two Heating Zones

Zone A: Peak temperature 350°C , Zone B: Peak temperature 210°C



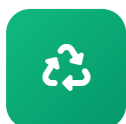
Quality Materials

High-quality ABS plastic housing



Safety Features

Multiple protection, automatic stop when equipment fails



Reusable

Surface does not change and can be reused



Remote Control

Equipment can be controlled through network and mobile phone, real-time control, more convenient

Technical Specifications

| Parameter | SD46-1 | SD34-1 |
|-----------------------|--------|--------|
| Input Voltage (V) | 220 | 220 |
| Power (W) | 4000 | 2200 |
| Working Current (A) | 18 | 10 |
| Peak Temperature (°C) | 350 | 350 |
| Control Accuracy (°C) | ±0.1 | ±0.1 |
| Control Method | PID | PID |

| Parameter | SD46-1 | SD34-1 |
|--------------------------------------|-----------------------------|-----------------------------|
| Main Heating Area (mm) | 400 × 600 | 300 × 400 |
| Secondary Heating Area (mm) | 400 × 60 × 2 + 710 × 60 × 2 | 300 × 60 × 2 + 510 × 60 × 2 |
| Working System Dimensions (L×W×H) mm | 712 × 625 × 145 | 520 × 550 × 145 |
| Packing System Dimensions (L×W×H) mm | 220 × 420 × 145 | |
| Weight (kg) | 46 | 27 |

The above parameters are for reference only. Tel: 022-24333389

Applications



Sample
Baking &
Drying



Sample
Digestion
Test



Geological
Analysis



Metallurgical
Testing



Environmental
Protection



Agriculture
& Forestry



Food &
Grain
Testing



Medical
& Health



Biochemical
Research



Teaching
&
Research