
PS-200 Semi-automatic Thermal Sealer

Micro-plate Instruments

Introduction

Semi-automatic Thermal Sealer is a kind of film sealer to prevent evaporation and leakage of various microplates (PCR plates, deep-well storage plates, microplates and cell culture plates) during the detection process by heat sealing various special heat sealers. Sealing instrument for sample loss and space cross-contamination. It is an indispensable assistant for PCR instruments and quantitative PCR machines.

Features

1. Compact appearance, small occupied space, simple operation.
2. OLED display screen, high light and no visual angle limit, more energy saving and eco-friendly.
3. Adjustable sealing plate temp.:80~200°C, real temp. displays, rapid heating, reaching 170°C in 300 seconds, rapid cooling down with fan cooling.
4. Sealing plate pressure can be adjusted according to the real result, various kinds of micro plates and heat sealing films to replace.
5. The microprocessor controls temperature with good accuracy. The ingenious uniform structure of heat sealing plate ensures consistent sealing results.
6. Variable temperature and time settings for accurate optimization. Temperature can be precisely set in increments of 1.0°C, and time in increments of 0.1s.
7. Advanced ceramics platen heating technology avoids adhesion of sealing films due to excessive high temperature.
8. Two sides of the body is equipped with windows, which is convenient to clean and extend using life of the heating plate.
9. When instrument is not working more than 60min, it automatically switches into stand-by mode during which the temperature of the heating element will reduce to 60°C to save energy.
- 10.10. When instruments is not working for more than 120min, it switches off automatically for safety. It switches off the display and heating. With slight current provided for central element, the sealer will restart once pressing any button.
- 11.11. The drawer is controlled by humanized design if hands or other objects impede the drawer when it's closing, the motor will automatically reverse drawer. This feature prevents injury to the user and sample.
- 12.Anti-misoperation function. Press "OPEN"key to stop immediately working when it is working.



Accessories



Copper sheet for fixing film
optional when sealing film



Block for microplate(1)



Block for 96-well PCR plate



Block for microplate(2)

Parameters

Model	PS-200
Temp. Range	80°C ~200°C, (increment: 1°C)
Temp. Display Accuracy	±1°C
Temp. Uniformity	±1°C
Sealing Time Range	0.5 ~10sec. (increment: 0.1sec)
Sealing Pressure Range	1 ~5grade
Compatible Plate Material	PP (Polypropylene) / PS (Polystyrene) / PE (Polyethylene)
Compatible Plate Types	standard microplates: PCR plate(skirted, semi-skirted, non-skirted), deep-well plate, ELISA plate.
Sealing Plate Height	9mm ~48mm
Compatible Sealing Plate Film	1.foil polypropylene material
	2.transparent polyester fiber – polypropylene material
	3.transparent polymer material
	4.thin layer transparent polymer material
	5.foil material
Front Panel Material	fireproof ABS
Sealing Plate Material	Ceramics
Voltage	AC 220V / AC 110V switchable, 50/60Hz
Power	300W
Fuse	250V, 8A, Φ5 x 20
Dimension	W.180 x D.350 x H.380mm
Net Weight	12kgs

