

SealBio-2 Semi-Automated Plate Sealer



Product Information

SealBio-2 Plate Sealer is a semi-automatic thermal sealer which is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of micro-plates. Unlike manual plate sealer, the SealBio-2 produces repeatable plate seals. With variable temperature and time settings, sealing conditions are easily optimized to guarantee consistent result, eliminating sample loss. The SealBio-2 can be applied in product's quality control of many manufacture enterprises such as plastic film, food, medical, inspection institute, scholastic scientific research and teaching experiment. Offering complete versatility, the SealBio-2 will accept a full range of plates for PCR, assay or storage applications.

Highlights

- 1.Format different micro well plates and heat seals
- 2.Adjustable Sealing Temperature: 80 – 200°C
- 3.OLED display screen, high light and no visual angle limit
- 4.Precise temperature, timing and pressure for consistent sealing
- 5Automatic counting function
- 6.Plate adapters allow use of virtually any ANSI microplate or PCR plate
- 7.Motorized drawer and motorized sealing platen guarantee consistent good results
- 8.Compact footprint: only 178mm wide x 370mm depth
- 9.Power requirements: AC120V or AC220V

Energy Saving Functions

1. When the SealBio-2 is left idle more than 60min, it will automatically switch into stand-by mode during when the temperature of the heating element is reduced to 60°C to save energy

2. When the SealBio-2 is left idle more than 120min, it will switch off automatically for safe. It will switch off the display and the heating element. then, the user can awaken the machine by pushing any button Controls Sealing time and temperature can be set by using the control knob, OLED display screen, high light and no visual angle limit.

1. Sealing time and temperature
2. Sealing pressure can be adjustable
3. Automatic counting function Security

1. If a hand or objects stuck in the drawer when it's moving, the drawer motor will automatically reverse. This feature prevents injury to the user and the unit

2. Special and smart design on the drawer, it can be detached from the main device. So user can maintain or clean the heating element easily

Technical Data

Model	SealBio-2
Display	OLED
Sealing temperature	80 ~ 200°C (increment of 1.0 °C)
Temperature accuracy	±1.0°C
Temperature uniformity	±1.0°C
Sealing time	0.5 ~ 10 seconds (increment of 0.1s)
Seal plate heights	9 to 48mm
Input Power	300W
Dimension (D x W x H)mm	370×178×330

Weight	9.6kg
Compatible Plate Materials	PP (Polypropylene) PS (Polystyrene) PE (Polyethylene)
Compatible plate types	SBS Standard plates, Deep-well plates PCR plates (Skirted, semi-skirted and no-skirted formats)
Heating Sealing Films & Foils	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer

Accessories

Code	Description
AS-15020-00	Sealbio-2 AC220V, 50/60Hz,300W
AS-15021-01	SBA-1 Standard plate adapter
AS-15021-02	SBA-2 96-well PCR plate adapter
AS-15021-03	SBA-3 Weighted sealing platen
AS-15021-11	Seal-150 Peelable clear Seal
AS-15021-12	Seal-200 Peelable Seal for storage
AS-15021-13	Seal-300 Pierce Aluminum heating sealing film