



Automated Roll Heat Sealer



Note: This quick user guide is not a replacement for the Automated Roll Heat Sealer User Manual which must be read before using the heat sealer for the first time. All users must know and observe all safety instructions as detailed in the User Manual.

Important!



Shipping Bracket

The Automated Roll Heat Sealer is shipped with a transportation bracket to prevent the plate shuttle moving during shipping. It is essential that this bracket is removed before the unit is powered up for the first time.

Sensor Protection Screw

To protect the rear foil sensor during transportation, the Automated Roll Heat Sealer is shipped with a protective screw with a white washer, inserted into the rear of the instrument. Before the unit is switched on, please make sure that the screw is removed from the instrument and retained with the other transportation packaging.

Please also refer to the **Automated Roll Heat Sealer User Manual**.

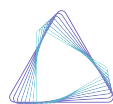
Operation of the Automated Roll Heat Sealer

1. Connect the power cord and turn on the device.
2. Place the seal roll, along with its holder, on the device locating the ends of the Axle in either Seal Roll Support 1 or 2. The orientation of the seal roll should be as indicated by the blue arrow.

3. Perform the seal roll loading procedure (Please refer to the Automated Roll Heat Sealer User Manual).
4. Perform the fine adjustment of the seal position (Please refer to the Automated Roll Heat Sealer User Manual).
5. Adjust sealing temperature and time settings (Please see next page).
6. Place the plate to be sealed on the plate carrier, Using an appropriate adaptor if necessary (Please see section **Plate Adaptors**).
7. The **Seal** icon will remain grey while the unit is heating or cooling. Once the set temperature is reached, the icon will turn green.
8. Sealing can then commence by touching **Seal**.

Plate Adaptors

Plate Type / Plate Height	Adaptor / Side of adaptor to use
96well PCR plates 	Adaptor B Side with 96 holes
384well PCR plates 	Adaptor B Side with 384 holes
1536well plates, standard height plates 	Adaptor B Side with 384 holes
Mid-height plates 	Adaptor A
Deep well plates 	No adaptor needed



Protocol and Password Settings



Creating a Protocol

- Touch **Protocol** in the left hand corner of the main screen.
- Touch **New** to create a new protocol.
- Touch the respective columns and key-in the desired name, sealing temperature, sealing time and any additional information to your protocol.
- Touch **Save** to store your protocol.
- Select your Protocol Security Level:
 - Low Level Security
 - High Level Security
 - No Password Protection (do not touch , touch **Enter** to leave this window)
- Touch **Select** to go back to the main screen.

Editing a Stored Protocol*

- Touch **Protocol** in the left hand corner of screen.
- Touch the column you would like to edit.
- Key-in the desired temperature, time or note.
- Touch **Save** to store your new settings and **Return** to go back to the main screen.

Selecting a Protocol*

- Touch the desired protocol in the list.
- Touch **Select**.
- Touch **Return** to return to the main screen.
- The protocol setting will appear on the main screen.

Deleting a Stored Protocol*

- Touch the protocol you want to delete in the list.
- Touch **Delete**.
- A warning message will appear for confirmation.
- Touch **Yes** and the protocol will be deleted.
- Touch **Esc** if you don't want to delete the protocol.

***Note: You may need to enter a password depending on the level of security that was set with any particular protocol. Keying-in the password is required for editing, deleting or selecting a protected protocol.**

Setting the Sealing Parameters

Time Setting

- Touch the icon on the touch screen showing the current sealing time. The time adjustment window will pop up.



- Touch **▲** / **▼** to adjust the time setting to your desired sealing time. Pressing the touch screen repeatedly will adjust the time in 0.5 second intervals. Pressing and holding your finger on the screen will initiate scrolling through the time settings.
- Touch **Yes** to confirm the displayed setting, or **Esc** to revert to the original setting.

Temperature Setting

- Touch the icon on the touch screen showing the current sealing temperature. The temperature adjustment window will pop up.



- Touch **▲** / **▼** to adjust the temperature setting to your desired sealing temperature. Pressing the touch screen repeatedly will adjust the temperature in 1 degree intervals. Pressing and holding your finger on the touch screen will initiate scrolling through the temperature settings.
- Touch **Yes** to confirm the displayed setting, or **Esc** to revert to the original setting.

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