

# User Manual for **Klarity** Convection Oven



KPS-1240 /KPS-1120

IFU: OV101-02 Rev. 07/01/2015



Klarity Medical Products, LLC  
1987 Coffman Road  
Newark, OH 43055  
Ph. 740-788-8107  
Fax 740-788-8109  
Email: [sales@klaritymedical.com](mailto:sales@klaritymedical.com)

## Table of contents:

1	Important Safety Instructions .....	3
2	Electrical connection .....	3
3	Restrictions for use .....	3
4	General Description .....	5
4.1	Unit Layout .....	5
4.2	Power inlet.....	6
4.3	Touch screen.....	6
4.4	Status light / front button.....	7
4.5	Drawer for masks .....	8
5	General use instructions.....	9
6	Cleaning the oven.....	9
7	Repair .....	9
8	Warranty .....	10
9	EC-conformity declaration .....	11
10	Technical Specifications .....	11

## 1 Important Safety Instructions

Read all instructions carefully before installing or using this device for the first time.

The system must be completely cooled to room temperature prior to system set-up or breakdown.

## 2 Electrical connection

The power connection must be 115 VAC / 230V and checked against the voltage specification label located on the side of the unit.

Maximum current is:

(230V) 6 Amp

(115V) 12 Amps

The power plug must be properly grounded at all times.

## 3 Restrictions for use



This unit has been constructed for indoor use only. It must be only in a clean, dry environment.

It is not recommended to place any items on or against this unit when in use. Although proper insulated, the surface will become moderately hot during use..

Do not place objects or items on top of the convection oven at any time.

Keep this user guide, or a copy near the unit, for easy reference when needed.

Do not situate the oven directly against a back wall, as the back side of the oven becomes hot during use.



Klarity Medical Products, LLC  
1987 Coffman Road  
Newark, OH 43055  
Ph. 740-788-8107  
Fax 740-788-8109  
Email: [sales@klaritymedical.com](mailto:sales@klaritymedical.com)

Be sure that there is adequate space for the drawer to be pulled out completely.

Do not use steam cleaner to clean this appliance. Pressurized steam could penetrate electrical components and cause a short circuit.

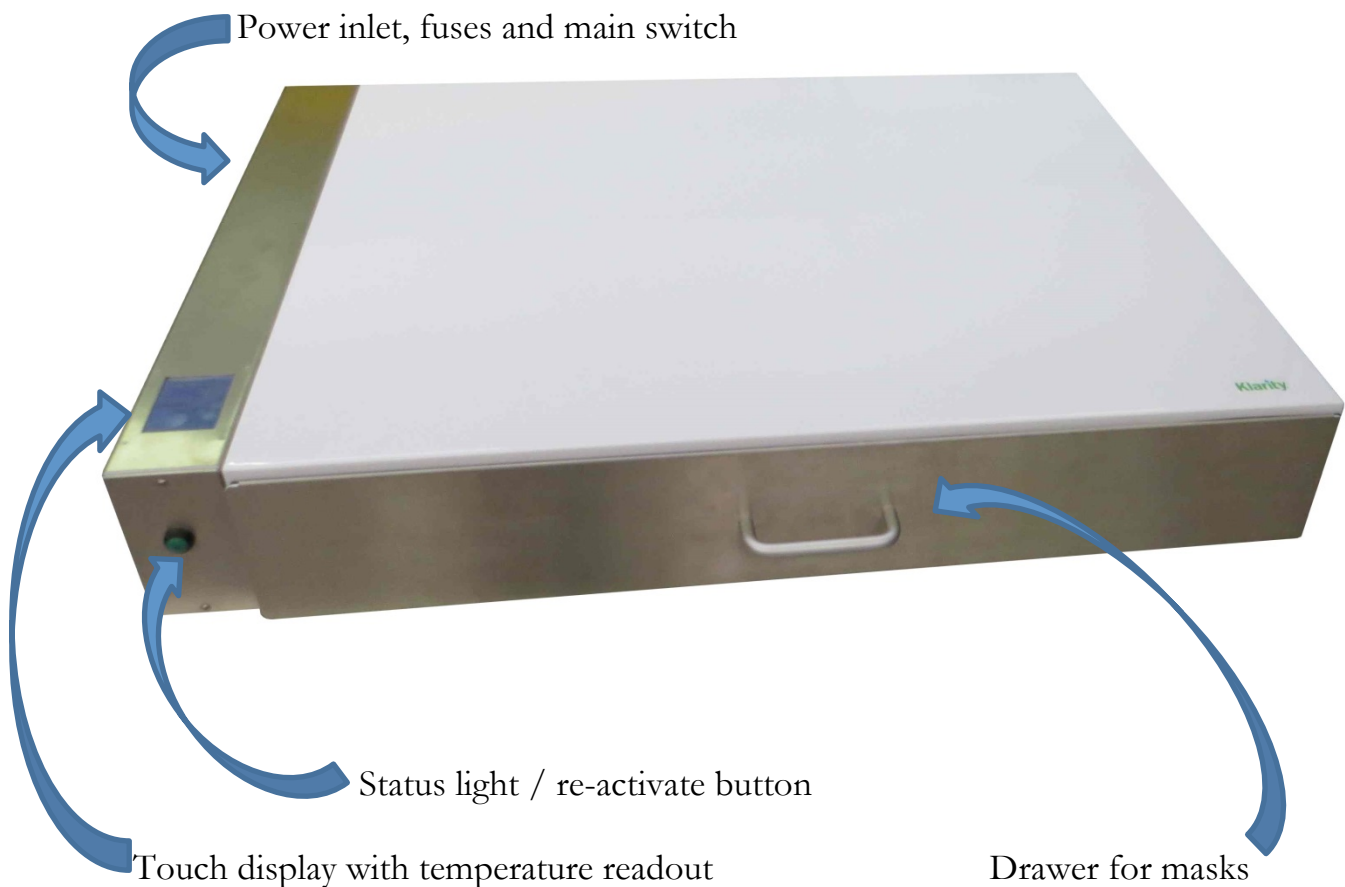
Do not use plastic containers or plastic wraps in the oven, unless this material has been tested and approved for this purpose. Some plastics may melt and cause damage to the oven.

Do not use sharp objects to remove dirt / debris from the Grill. Grill has a non-stick coating that can be damaged by sharp objects or abrasive cleaning.

## 4 General Description

Before use it is vital that all safety items mentioned in section 1 have been read and approved.

### 4.1 Unit Layout



## 4.2 Power inlet



Use the accompanying cable to hook up to the power source. Make sure the outlet is proper grounded.

The inlet consists of a fuse box below, inlet in centre and main switch on top. Consult the specification label for the correct power input power selection.

Turn on the unit by the main switch.

When the unit is not being used, switch it off using this main switch. In both stand-by and sleep mode, the oven consumes power.

## 4.3 Touch screen

When powering up, the touch display will show the current temperature and the desired set point of the oven.

The blue marked value is the oven temperature, the black value is the set point.

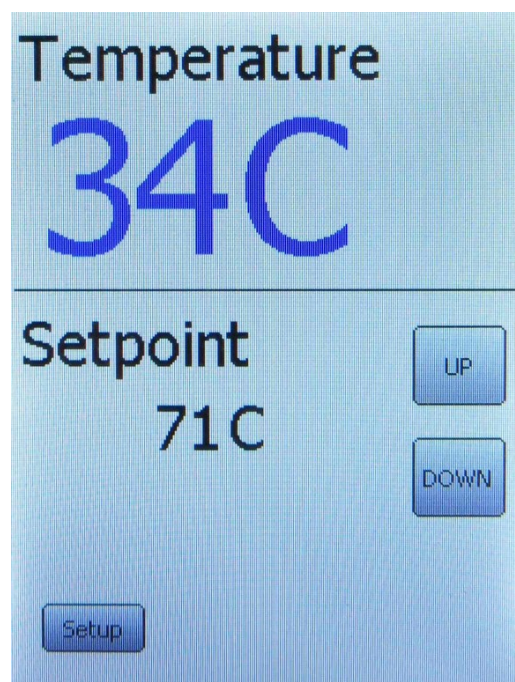
Change the set point by hitting the up / down buttons. The set point is active immediately after changing.

When powered off and on, the unit will remember the last set point.

Set Point Range:

minimum: 50°C / 122°F

maximum: 80°C / 176°F



Buttons can be activated by a finger or medium soft object. Do not use knife or sharp pointed objects.

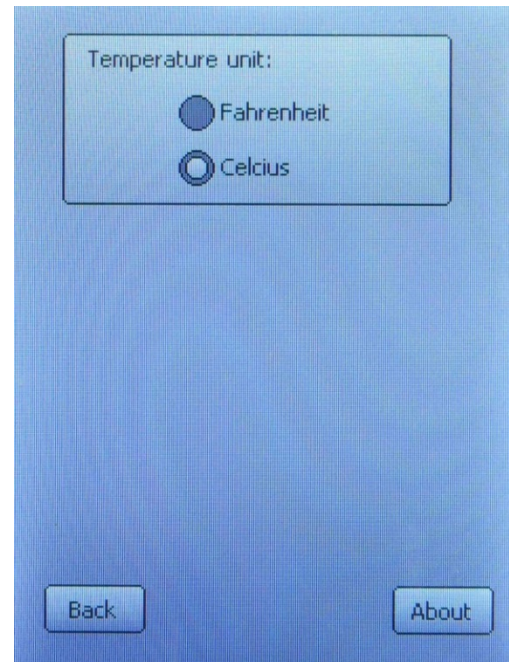


Press the Setup button to access the setup screen.

Setup screen allows choosig Celsius or Fahrenheit display.

Press the Back button to return to main screen.

If left idle here for 20 seconds, the screen will auto-return to the main menu.



## 4.4 Status light / front button



When oven is turned on by the main switch, the Red status light will flash. This indicates that the unit is active, but not ready to accept thermoplastic items, as the selected temperature set point has not been reached.

After approximately 5 minutes, depending on the set point, the light will be constant on, showing the unit ready for use.

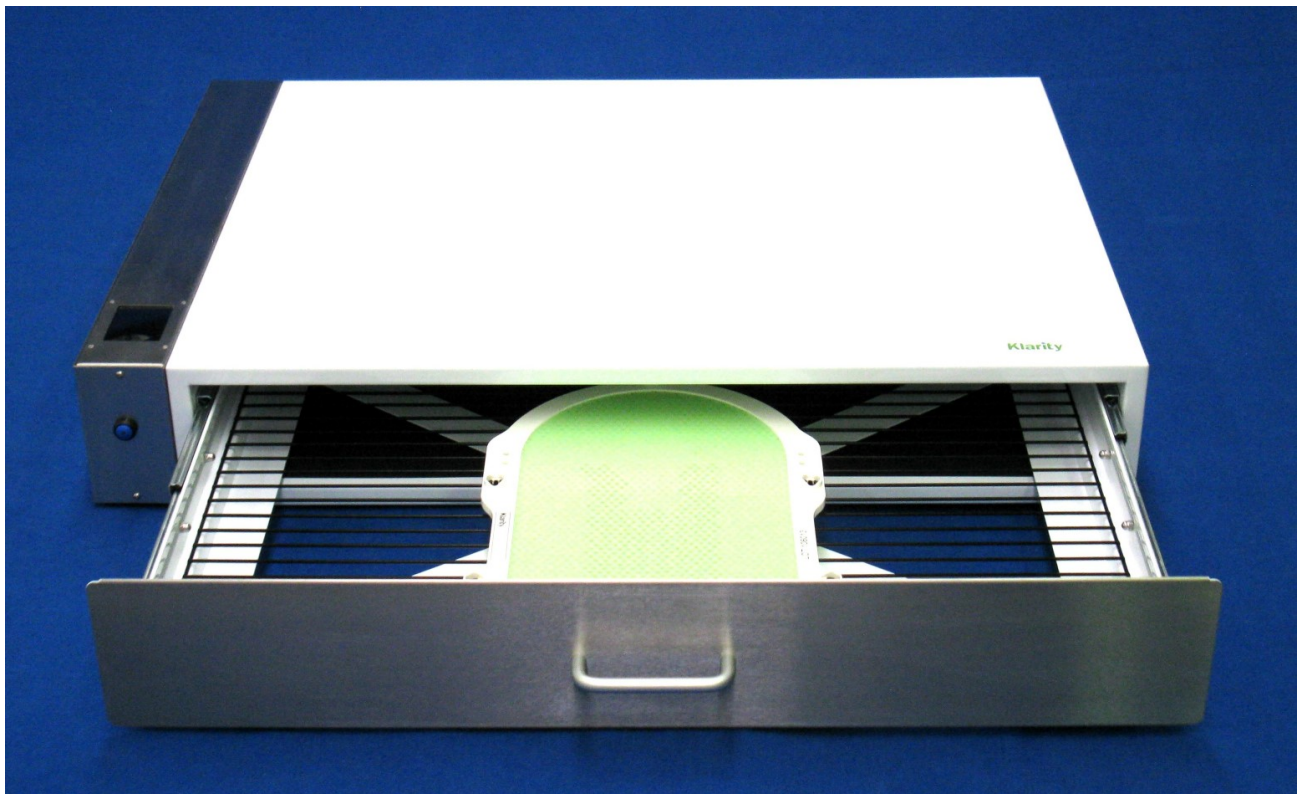
After 2 hours of idle time, the unit will go into a stand-by mode, dropping the temperature to 50°C / 122°F. The light will flash, but with longer pause between the flashes of light.

After 4 hours of idle time, the unit will go into sleep mode, where the heater is turned off. The light will blink, pause will be longer.

To exit any of the modes, sleep or standby, simply push the button, or pull out the drawer. Pulling out the drawer, or pushing the button, resets the time to standby.

## 4.5 Drawer for masks

Pulling out the handle opens the drawer for the masks. When the oven is opened, the fans blowing will stop, decreasing the drop in temperature that the opening will cause.



Make sure to open the drawer fully, allowing easy access to insert the masks. The oven holds two head masks, on the left and right side, or one full mask.

**NOTE:** Make sure the drawer is fully closed after insertion of the mask. If a gap exists allowing the air to escape, the masks will not be heated uniformly, with the front edge of the compartment being cooler than the interior rear.

**NOTE:** When the drawer is open, the temperature will steadily drop. To avoid longer heating times, keep the open time of the drawer to a minimum.

**NOTE:** The grill is coated with a non-stick Teflon coating, to prevent masks from sticking. This coating is a non-toxic food-industry standard coating. The coating is however NOT scratch resistant, so keep sharp metal objects away from the grill.



## 5 General use instructions

This section provides a step-by-step guide to the use. Refer to previous section for details on each step.

- Turn on the unit using the main switch on the side.
- Verify that the desired set point is selected
- Wait for the set point to be reached, the light stops flashing, or the display shows the oven temperature equal to the set point
- Open the drawer and place the material to be heated on the grill
- Allow the oven time to transfer the heat to the material. This time does depend on the type of the material, but usually around 5-10 minutes. Check the readiness of the material by visual inspection
- Open drawer, remove the material when ready, close drawer, and apply it to its intended use.
- Repeat process, or turn off the main switch when completely done.

## 6 Cleaning the oven

Clean the appliance with a solution of warm water and liquid soap applied with a soft sponge. Dry with a soft cloth.



Caution do not clean the Display with water, only with a dry soft cloth.

Do not use steam cleaner to clean this appliance. Pressurized steam could penetrate electrical components and cause a short circuit.

## 7 Repair

Should a defective unit need repair the cleaned unit must be shipped to the USA distributor, Klarity Medical Products, LLC. The full delivery address can be found below.

A detailed description of the type of problem or defect must be included.

Contact Klarity Medical Products, LLC to receive a Returns Authorization Number before returning the item.

Shipping Address: Klarity Medical Products, LLC  
1987 Coffman Road  
Newark, OH 43055  
Ph. 740-788-8107  
Fax 740-788-8109  
Email: sales@klaritymedical.com

Do not try to perform any repair on the unit during warranty period.



**Caution:** Before servicing, disconnect the power supply by shutting off the power main.

A qualified technician should only perform repairs. Repairs and service by unqualified persons could cause injury or appliance damage.

Allow the appliance to cool before repairing the unit.

## 8 Warranty

This product has a full warranty of 12 months from shipment date. This warranty is valid on the condition that the unit has been used following the above listed guidelines only.

Klarity Medical Products is entitled to refuse to perform a warranty repair if it can be proved that the unit has been operated against the guidelines listed in this document.

It is highly recommended to keep the original package material during the entire warranty period. Repair during the warranty period is only valid if the unit is shipped in the original box.

The warranty does not include shipment costs between the user and Klarity Medical Products, LLC

Klarity Medical Products, LLC is entitled to decide if the unit can be properly repaired or needs to be changed to a new unit.



Klarity Medical Products, LLC  
1987 Coffman Road  
Newark, OH 43055  
Ph. 740-788-8107  
Fax 740-788-8109  
Email: sales@klaritymedical.com

## 9 EC-conformity declaration

The EC-conformity declaration is provided as a separate document.

The declaration is the full responsibility of Klarity Medical Products, LLC. Any questions or disputes connected to the declaration must be made to Klarity Medical Products, LLC.

## 10 Technical Specifications

Finish: White baked enamel (on cold rolled Steel), stainless steel trim.

**Outside dimensions:** 79cm x 58cm x 13cm

Weight : 28 KG

Electrical:

KPS-1240: 230V, 50-60 Hz; 1350W – 6 Amp

KPS-1120: 115V 50-60Hz, 1350W - 12 Amp

Default heating temperature set-point: 71C /160F

Minimum : 50C / 122F

Maximum: 80C / 176F