

Im.PAc.T

CO37-00



CONVECTION OVEN

Panacea Medical Technologies Pvt Ltd

Doc no: PMT-PA1-01-37-08-19-R00

Table of Contents

1. GENERAL DESCRIPTION OF THE PRODUCT.....	3
1.1 ENVIRONMENTAL CONDITIONS	3
1.2 SAFETY INSTRUCTIONS & PRECAUTIONS	3
2. TECHNICAL SPECIFICATIONS.....	4
3. INSTRUCTIONS FOR USE.....	4
4. CLEANING & STORAGE.....	6
5. TROUBLE SHOOTING	6

1. GENERAL DESCRIPTION OF THE PRODUCT

The Dry-Heat Convection Oven is designed to soften patient immobilization thermoplastics (masks) that are compatible with dry heat processing. The intended operating range is 70 °C.



Figure 1 Impact Convection Oven

1.1 ENVIRONMENTAL CONDITIONS

Temperature	10 °C to 70 °C
Humidity	5% to 90% non-condensing
Atmospheric Pressure	50kPa to 106 kPa
Location	Clean & ventilated environment

1.2 SAFETY INSTRUCTIONS & PRECAUTIONS

- DO read this entire manual including notes and warnings before proceeding to operate this equipment.
- DO NOT attempt to operate the Dry-Heat Convection Oven with the drawer open.
- DO position the Dry-Heat Convection Oven such that the power cord is easily accessible.
- DO position the Dry-Heat Convection Oven on a sturdy, flat level countertop that provides solid footing for all four (4) bottom feet.
- DO NOT operate the Dry-Heat Convection Oven if it is damaged in any way.
- No user serviceable parts inside. Do not open or disassemble the equipment.

- This equipment must be grounded and is supplied with an appropriately grounded power cord. Do not modify the power cord.
- Connect the equipment to the appropriate MAINS power.
- In case of emergency, disconnect the Power cord from mains power.

2. TECHNICAL SPECIFICATIONS

S. No	Specifications	Details
1	MAINS	230V AC, 50Hz
2	Power Supply	11 A
3	Outer dimensions	794mm x 599mm x 230mm
4	Weight	49.501 Kg
5	Operating Temperature	Max 70°C
6	Heating time	5 mins

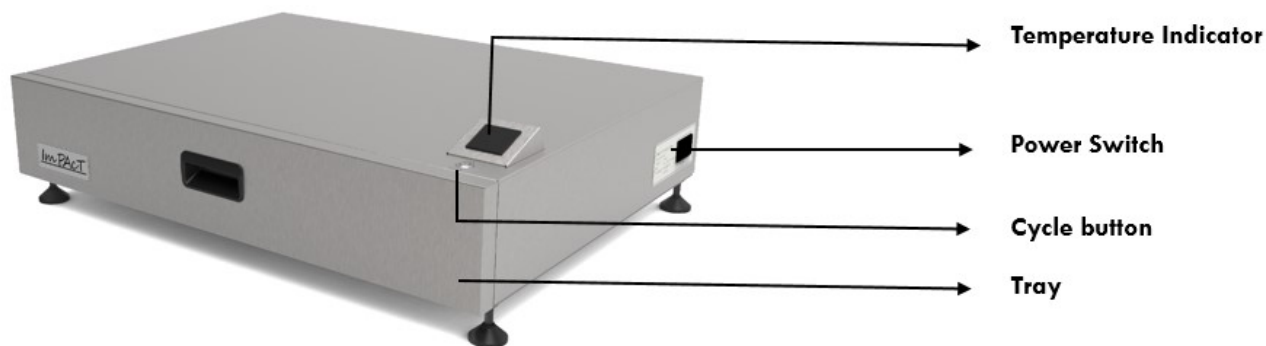


Figure 2 Parts of Convection oven



Warning

- Inspect the device thoroughly before use. Do not use the device if damaged.

3. INSTRUCTIONS FOR USE

- Connect the power cord to appropriate **230V AC, 50Hz** MAINS power.
- Press the Power switch “ON”, in the left corner of the oven.
- Pull the tray out completely and place a mask in the mid of the Grill tray.

- To start the heating cycle, press the cycle button in the top left corner of the oven.

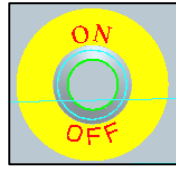


Figure 3 Cycle Button (ON/OFF)

- By default, set temperature is fixed at 60 °C and it can be adjustable by the user.
- It takes 5 mins to reach the default temperature (60 °C) to mould up the mask uniformly.
- Once it reaches the default temperature (60 °C) Buzzer runs.
- Switch off the cycle button.
- Pull the tray out and remove the mask.
- Reduce the heat to a tolerable temperature by placing the mask on a towel.
- Place it over specified region on the patient within 1 - 2 mins before the mask hardens up.
- The Dry-Heat Convection Oven can remain powered, ready for the next use, or powered down as desired.

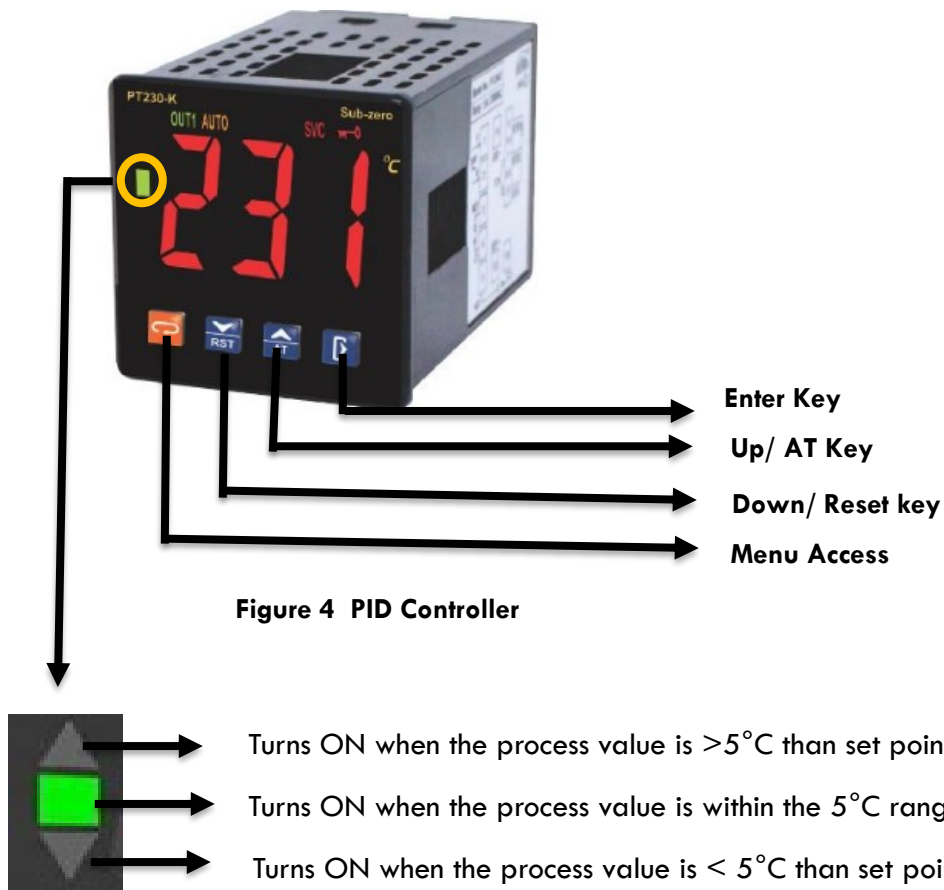


Figure 4 PID Controller

4. CLEANING & STORAGE

- Turn off equipment power and disconnect from MAINS supply before cleaning.
- Wipe thoroughly with cleaning agent like Isopropyl Alcohol 15-20%.
- Allow equipment to dry completely before use.
- Store the machine in a clean and ventilated environment.
- Inspect the product regularly, to check for any parts are worn or need repair or replacement.

5. TROUBLE SHOOTING

S. No	Cause of the Problem		Remedy
1	Oven will not turn ON	Power cord is not properly inserted into MAINS Socket.	Check that the power cord is securely inserted into the proper MAINS Socket.
		Power cord is disconnected from power entry module.	Check that the power cord is securely inserted into the Power Entry Module Socket.
		Power entry module switch is OFF.	Push the switch to the ON position.
		Power entry module Fuse has failed	Pull out the Power cord from power supply and change the fuse in Fuse holder.
		No power at MAINS Socket.	Check that MAINS in power Socket is functioning properly.
2	Oven is on, but not heating	Check the ON/OFF Cycle Button Position	OFF the cycle Push Button and again turn it ON
3	Oven stops heating	Power entry module Fuse has failed.	Pull out the Power cord from power supply and change the fuse in the fuse holder.
4	PID “HHH” light is flashing	More Than Operating Temperature 70°C Indication.	No action required (Temperature will reach operating temperature within 2 mins)



Panacea Medical Technologies Pvt Ltd

Plot #35, Malur KIADB Industrial Area,
4th Phase, Malur – 563130, Kolar District,
Karnataka, INDIA.

Website : <http://www.panaceamedical.com>,

Email : support@panaceamedical.com