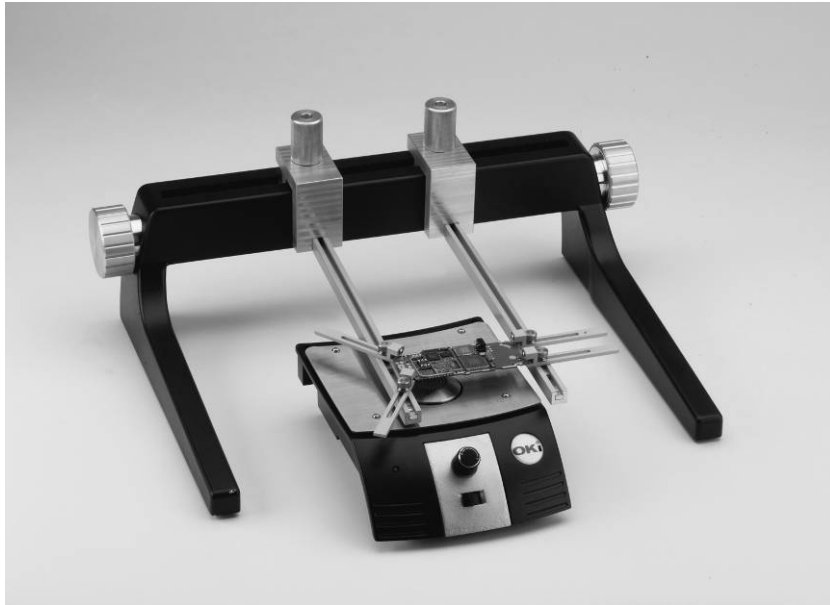


PCT-100 Pre-heater Convection Tool User Guide



Warnings and Safety Instructions



WARNING

A fire may result if this equipment is not used with care and for intended applications. To avoid electric shock or injury, please follow the instructions below strictly :

- This appliance must be grounded.
- The temperature of this equipment can reach 300°C. Never touch any metal part of this equipment.
- Never use this equipment near any flammable materials or gases.
- Never operate the equipment with wet hands.
- Only use OK International spare parts for all repairs and maintenance.

CAUTION – Important Instructions

In order to avoid damage to the equipment, and ensure a proper working environment, please follow the instructions below:

- Operate this equipment in a well ventilated room away from any combustible materials.
- When not be in use, make sure the unit is unplugged from outlet.
- Allow to cool down before storage.
- Do not leave the equipment unattended when switched on.
- Do not disconnect from the mains voltage until fan has stopped running.

Waste Electrical and Electronic Equipment Directive - WEEE (2002/96/EC)

When this product is no longer required, if it cannot be re-used, we ask our customers not to dispose of it as unsorted municipal waste but to appropriately recycle the product. In Europe, please contact your OK International distributor who can advise the recycling options available.



1. Operating Instructions

The PCT-100 Pre-heater Convection System is used to preheat a PCB for soldering and to remove a variety of components. It uses a thermocouple feedback temperature control technique to regulate output temperature. The adjustable knob controls the required stable heating temperature to below 300 C°. The system protects itself automatically, when the fan is stopped, the heating is stopped automatically. The shell is an ESD safe design.

Connect the power cord

Make sure the On/Off Switch is on "0" (off). Connect power cord to the back of the unit. Plug into power outlet. The amber light will turn on and the fan will run for about 180 seconds. When the LED is off, the fan will stop.

Switch on the unit

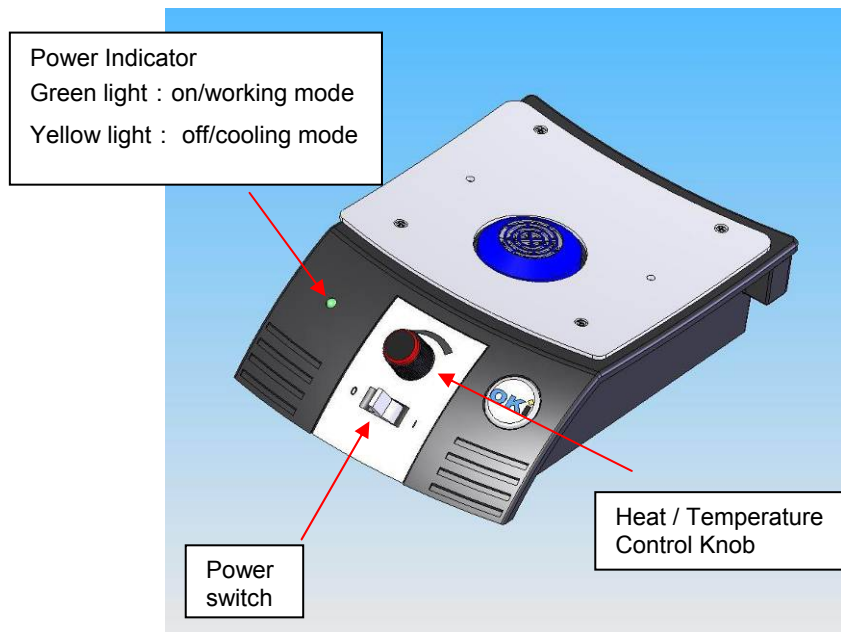
Flip the On/Off Switch to "I" (on). The green light will indicate that the system is working.

Adjust the temperature

Turn the Heat/Temperature knob clockwise to increase the temperature up to 300 C°.

Switch off the unit

Flip the On/Off Switch to "0". The amber light will indicate the system is off. The fan will continue to run for about 180 seconds. This enables the heater to cool down properly. Then LED turns off and the fan stops.



2. Using the Board Holder and Arm Rest

To aid in user comfort and ease-of-use, OK International has developed a Board Holder and Arm Rest for use with the PCT-100.

BH-100 Board Holder Specifications

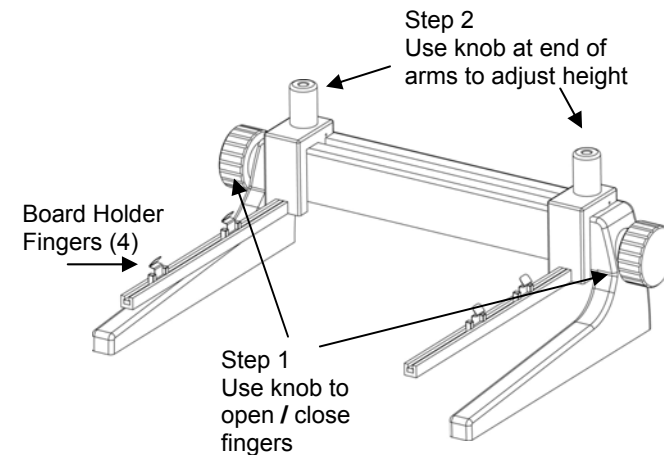
Maximum PCB size: 12" (304.8mm) wide
Minimum PCB size: 2.5" (63.5mm) wide

Distance from PCB to the top plate:
2.2" (55.88mm) maximum
0.7" (17.78mm) minimum

Distance from PCB to the heater cone top:
2.0" (50.8mm) maximum
0.5" (12.7mm) minimum

Board Holder

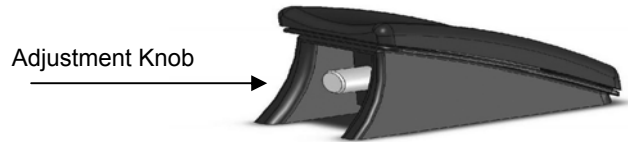
1. Open the board holder fingers by using one of the knobs on the sides of the base. Place the PCB into the fingers. Adjust the fingers into desired position by sliding them in the rail. Tighten the fingers, against the PCB, using just enough force to hold the PCB in place. Do not use too much force as it will distort the PCB.
2. Position the board holder with the PCB over the pre-heater airflow. Adjust the desired height using the knobs on the top of the arms.
3. Turn on Pre-heater following Operating Instructions.
4. Solder as usual.



PCT-AR Arm Rest

Use the PCT-AR Arm Rest to steady your arm and hand while soldering.

1. Adjust the height by loosening the knob in the front of the Arm Rest. Lift or lower the arm rest pad as needed. Retighten knob after adjustment is made. Position forearm comfortably in Arm Rest.
2. Solder as usual.



3. Specifications

Input Voltage	115 V ~ PCT-100-11 230 V ~ PCT-100-21
Power	150 W
Pollution Degree Category	II
Storage Temperature	-10°C—60°C (14°F—140°F)
Environmental Temperature	0°C—40°C (32°F—104°F)
Air Flow	10.2 CFM
Control Temperature (only shown)	<300°C (572°F)
Surface Resistivity ESD	$10^6\Omega - 10^{11}\Omega$.
Dimensions	205(L) x 155 (W) x 65 (H) mm
Weight	1.6 kg.
Certificate/Approvals	cTUVus, CE

4. Systems and Spare Part Numbers

Individual Components

PCT-100-11	Pre-heater Convection Tool 110 VAC
PCT-100-21	Pre-heater Convection Tool 220 VAC
PCT-AR	Arm Rest
BH-100	Board Holder

System Packages

PCT-101-11	Pre-heater Convection Tool (110 VAC) with Arm Rest
PCT-101-21	Pre-heater Convection Tool (220 VAC) with Arm Rest
PCT-102-11	Pre-heater Convection Tool (110 VAC) with Arm Rest and Board Holder
PCT-102-21	Pre-heater Convection Tool (220 VAC) with Arm Rest and Board Holder

Spare Parts

PCT-1HE-11	Heater Assembly 110 VAC
PCT-1HE-21	Heater Assembly 220 VAC
PCT-ARPAD	Arm Rest Pad

5. Warranty

OK International warrants the PCT-100 against any defects in materials or workmanship for one (1) year from the date of purchase by the original owner. This Warranty excludes normal maintenance and shall not apply to any opened, misused, abused, altered or damaged items. If the product should become defective within the warranty period, OK International will repair or replace it free of charge at its sole option. The repaired or replacement item will be shipped, freight prepaid, to the original purchaser. The warranty period will start from the date of purchase. If the date of purchase cannot be substantiated the date of manufacture will be used as the start of the warranty period.

The Heater Element is covered by a three (3) month warranty, which does not include damage resulting from unreasonable use of the equipment or from human error.

Repair fees will be charged, and are subject to the current rates, once the equipment is out of one year warranty.