

PCT-100 Focused Convection Preheater



Key Features & Benefits

- ▶ For hand soldering, through-hole desoldering, hot air SMT rework, lead-free, multi-layer boards and assemblies with large ground planes
- ▶ Improved process time and exceptional control of potentially damaging temperatures
- ▶ Vented top plate allows the PCB to be placed directly over the heater for maximum heat transfer
- ▶ Integrated or stand-alone board holder
- ▶ Optional adjustable-angle arm rest



The PCT-100 is a focused convection preheater that is designed to **provide extra heat capacity** for demanding applications.

Unlike conventional preheaters, the PCT-100 Focused Convection Preheater directly targets the underside of the PCB providing a substantial thermal boost for lead-free processes.

| Part No. | Description |
|------------|---|
| PCT-100-11 | 1 Preheater 115V |
| PCT-100-21 | 1 Preheater 230V |
| PCT-101-11 | 2 Preheater 115V with Arm Rest |
| PCT-101-21 | 2 Preheater 230V with Arm Rest |
| PCT-102-11 | 3 Preheater 115V with Arm Rest and Boardholder |
| PCT-102-21 | 3 Preheater 230V with Arm Rest and Boardholder |
| PCT-103-11 | Preheater 115V with Arm Rest and Integrated Boardholder |
| PCT-103-21 | Preheater 230V with Arm Rest and Integrated Boardholder |
| PCT-1HE-11 | Heating Element Replacement for PCT-100 115V |
| PCT-1HE-21 | Heating Element Replacement for PCT-100 230V |
| BH-010 | Integrated Boardholder for PCT-100 (see page 53) |
| BH-100 | 4 Boardholder for PCT-100 |
| PCT-AR | 5 Arm Rest for PCT-100 |
| PCT-ARPAD | Replacement Pad for Arm Rest PCT-AR |

Technical Specifications

| | |
|---------------------------|--|
| Input Voltage | 115 V (PCT-100-11) 230 V (PCT-100-21) |
| Heater Rating | 450 W |
| Storage Temperature | -10°C—60°C (14°F—140°F) |
| Environmental Temperature | 0°C—40°C (32°F—104°F) |
| Air Flow | 9.88 cfm (280 l/min) |
| Control Temperature | Variable up to 300°C (572°F) |
| Surface Resistivity ESD | 10 ⁶ Ω - 10 ¹¹ Ω |
| Dimensions (L x W x H) | 205 x 155 x 65 mm (8" x 6.1" x 2.6") |
| Weight | 1.6 kg (3.5 lbs) |
| Certificate/Approvals | cTUVus, CE |