

PCT-100 Focused Convection Preheater



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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



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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