

IR Preheater

PHSE

The PHSE is the best solution for preheating multilayer PCBAs, and it works with infrared radiation.

It allows to heat up gradually, reducing risk of thermal shock in the substrate and components, and to work with lower temperature on components connected to ground planes.

It features, along with the power and temperature mode, a powerful functionality of profiles to perform rework tasks. Temperature is sensed with an external thermocouple and the heat is autoregulated by the console, capable to store up to 25 different profiles.

Connecting up to 4 external TCs provides a high-precise close-loop control of the component/PCBA during the heating process. It can also be used to protect a component or a specific area of the PCBA.

It has 2 independent work zones that define a heating area of 65x135 or 130x135 mm (2.559x5.315 or 5.118x5.315 in).

- 100 V Ref. PHSE-9A
- 120 V Ref. PHSE-1A
- 230 V Ref. PHSE-2A



Specifications

Selectable Temperature	50 to 250 °C / 120 to 482 °F
Heating area	65x135 mm (2.56 x 5.31 in) - 1 zone
	130x135 mm (5.12 x 5.31 in) - 2 zones
Temperature measurement	Thermocouple type K
Connectivity	
USB-B (rear)	Software PC
USB-A (front)	Firmware update / Graphics management
Robot	RS-232 remote control
Aux	Console connection
Pedal	Connect a pedal (ref.P-005) to control the heater.
ESD/EOS	
ESD safe	
Power supply	
Maximum power	500 W
Voltage (AC)	ref. PHSE-1A - 120 V
	ref. PHSE-2D - 230 V

Product Packaging

PreHeater	PHSE, ACE-A
Consumables	<u>PH218</u> , <u>PH217</u>

	ref. PHSE-9D - 100 V
Ambient operating temp.	10 to 50 °C / 50 to 120 °F
Dimensions and weight	
Heater unit	195 x 288 x 41,5 mm / 2,8 kg
	7.68 x 11.34 x 1.63 in / 6.13 lb

Connectables

PreHeater

IR Preheater Support
PHS-SA



Accessories

Pedal
P-005



Consumables

Thermocouple Type K
PH218



Kapton tape
PH217



Thermally Conductive Tape 25
mm
PH223



Thermally Conductive Tape 50
mm
PH222



Documentation

Manuals PHSE-A MANUAL

Exploded View PHSE-A Exploded View