

# Precision Hot Air Station

## TESE

TESE is a precision hot air station for **repairing small and medium SMDs quickly and safely.**

### Profiles Mode

It features along with the manual mode a powerful functionality of profiles to perform rework tasks with the maximum precision. You can **control temperature values and air flow rate by creating up to 25 profiles.**

### Control Thermocouple

You can read the temperature at a specific point on the PCB with the control thermocouple [PH218](#). It helps **protect the components or a specific area on the PCB.**

### Auto-stop Function

The auto-stop function is a safety measure which ensures **the heat is automatically cut off** when the tool is in the [TE-SE stand](#).

It comes with a complete [extractor desk](#), tripods, protectors & extractors listed below.

### Available languages

English, Spanish, German, French, Italian, Portuguese, Japanese, Chinese, Russian and Korean.

100-120 V Ref. TESE-1A

230 V Ref. TESE-2A



## Specifications

### Selectable parameters

Temperature	150 to 450 °C (300-840 °F)
Air flow	2 to 17 SLPM
Temperature profiles:	Design specific thermal profiles for automatic SMD soldering. Obtain repeatable results and avoid thermal shock by controlling the temperature throughout the different phases of the process (ramp up rate, peak temperature and ramp down rate).
	Up to 25 fully configurable soldering profiles can be stored.
Operating modes	Heating / Cooling
Others	

## Product Packaging

Modular System	Hot Air Unit
Tools	<a href="#">TE-TB</a>
Stands	<a href="#">TE-SE</a> <a href="#">TN9209</a> , <a href="#">TN9208</a> , <a href="#">TN9080</a> , <a href="#">E2052</a> , <a href="#">E2064</a> , <a href="#">E2184</a> , <a href="#">P2220</a> , <a href="#">P2235</a> , <a href="#">P4000</a> , <a href="#">P2230</a> , <a href="#">P4010</a> , <a href="#">T2050</a> , <a href="#">T2250</a> , <a href="#">0008752</a>
Consumables	<a href="#">PH218</a>

Type K thermocouple:

Plug an external TC to the controller and place it close to the component to be soldered or reworked to have the most precise temperature control regardless of the distance to the nozzle. It can be used both for Control and Protection purposes.

Vacuum	30% / 228 mmHg / 9 inHg
<b>Connectivity</b>	
USB-B (rear)	Software PC
USB-A (front)	Firmware update, Graphics/Profiles management
Robot	RS-232 remote control
Pedal	Optional tool control
Aux	Peripheral expansion
<b>Equipotential bonding</b>	
ESD/EOS	
ESD safe	
<b>Power supply</b>	
Peak power	300 W
Voltage (AC)	ref. <b>TESE-1A</b> - 100/120 V ref. <b>TESE-2A</b> - 230 V
Ambient operating temp.	10 to 40 °C / 50 to 104 °F
<b>Dimensions and weight</b>	
Control Unit	148 x 184 x 140 mm / 4,93 kg 5.8 x 7.2 x 5.5 in / 10.86 lb
Package	474 x 368 x 195 mm / 5.69 kg 18.7 x 14.5 x 7.7 in / 12.54 lb

## Connectables

### Accessories

Pedal  
P-005



PROTECTORS



EXTRACTORS



TRIPODS



Pick & Place  
T260-A



for TE heater  
TE NOZZLES



## Connectables

### Consumables

for Hot Air  
HEATING ELEMENTS



## Documentation

Manuals            TESE-A\_MANUAL

Exploded View    TESE-A Exploded View