

Hot Air Rework Station ESD Safe

OPERATION INSTRUCTION

English

● This product should not be thrown in the garbage. In accordance with the European directive 2012/19/EU, electronic equipment at the end of their life must be collected & returned to an authorized recycling facility. ● Este producto no debe desecharse en la basura. De acuerdo a la directiva europea 2012/19/EU, los equipos electrónicos al final de su vida se deberán recoger y trasladar a una planta de reciclaje autorizada. ● Dieses Produkt sollte nicht mit dem Hausmüll entsorgt werden. In Übereinstimmung mit der europäischen Richtlinie 2012/19/EU müssen elektronische Geräte am Ende ihrer Lebensdauer eingesammelt und einem autorisierten Recyclingbetrieb zugeführt werden.

Made in China

Thank you for purchasing this product. Please read the manual carefully before operating and keep this manual for future reference.
Statement: The company reserves the right to improve & upgrade products, product specifications and design are subject to change without notice.

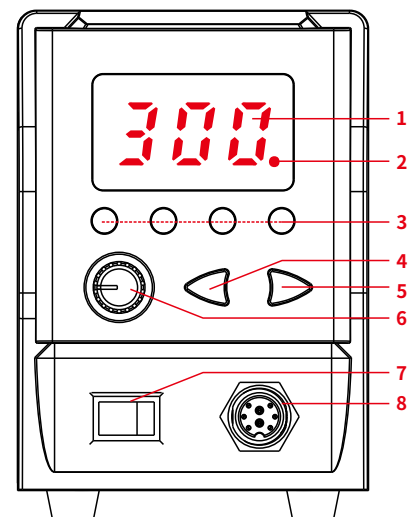
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I. Applications

1. This unit is suitable for rework & soldering operations on a broad range of components. E.g., SOIC, CHIP, QFP, PLCC, BGA, SMD, and more. The unit is especially suited for rework operations on in-line sockets.
2. The unit can be used for heat shrinking, drying, paint removal, conformal coating removal, defrosting, pre-heating, glue soldering, and more.

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II. Control Panel

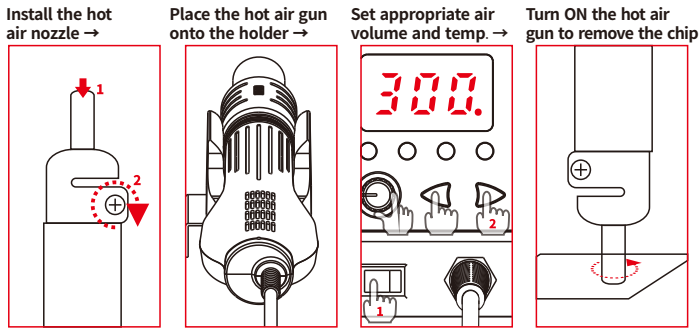


1. Hot Air Temperature
2. Operation Indicator
3. Memory Channel Button (4 Pre-set Channels)
4. Temperature Decrease Button
5. Temperature Increase Button
6. Air Volume Adjustment Knob
7. Power Switch
8. Receptacle / Cord (Hot Air Gun)

III. Operations

1. Basic Operation

Caution: Please install or remove the hot air nozzle after the hot air rework station has been DISCONNECTED from the electrical outlet and fully cooled.



The hot air gun must be placed back in the holder when the operation is complete. The system will cut off the power to the hot air gun, and the hot air gun's operation indicator will turn OFF. The hot air gun then enters cooling mode. When the hot air gun cools to below 100°C(212°F), the hot air temperature display will display "----". At this point, turn OFF the power switch. If the station is not in use for an extended period, DISCONNECT the station's power cord.

2. Pre-set Channel Configuration (4 Channels)

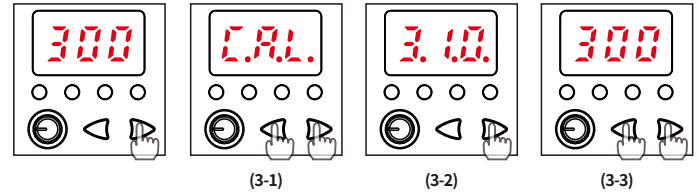
Press the corresponding memory channel button and then press the temperature increase or decrease button to set the desired temperature. Once done setting, the system will automatically save the data. You can configure other channels respectively.

3. Digital Temperature Calibration

Press and hold the temperature increase and decrease button for approximately 2 seconds(3-1)→

Enter the measured temperature(3-2)→

Press the temperature increase and decrease button at the same time to confirm entry(3-3).



4. Hot Air Fail-Safe

If the hot air gun stops putting out air abnormally during an operation, the system will cut the power to the heating element. This prevents damages to the hot air gun due to accumulated heat and further improves the safety factor of this product.

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IV. Maintenance & Precautions

- Keep the hot air gun's air outlet clear and free of blockages at all times.
- The installation of the hot air gun nozzles MUST be carried out ONLY when the steel pipe and nozzle have cooled. Install the nozzle correctly, and DO NOT install the nozzle with brute force, pull the edge of the nozzle with tweezers, or overtighten the screws.
- Select the appropriate nozzle based on your operation requirement (temperature may vary when you use nozzles in different diameters). When using nozzles smaller than the stock nozzles, you MUST use the maximum air volume with a relatively lower temperature setting. Complete this operation in the shortest possible duration to avoid damaging the hot air gun.
- Keep a minimum distance of 2mm between the object and the hot air gun's air outlet.
- DO NOT allow the hot air to come in direct contact with facial parts and beware of the danger of burn injuries. Upon the first use, the hot air gun may emit white fumes, and the white fume will dissipate in a short while.

NOTE:

The station's hot air gun and soldering iron handles use high-strength stainless steel tubes. The station goes through 4 times or more testing, inspection, and calibration procedures before rolling off the assembly line. The steel tube may exhibit light bronze color as a result of our quality control efforts. It is normal to have a slightly bronzed steel tube when you use a brand-new station. Rest assured for regular usage.

V. Troubleshooting

- "S-E" - This is an indication that the hot air gun's sensor module is faulty. To resolve this issue, you need to replace the heating element (the heating element and the sensor modules).
- "H-E" - This is an indication that the hot air gun's heating element is faulty. To resolve this issue, you need to replace the heating element (the heating element and the sensor modules).
- "F-1/F-2" - This is an indication that the rework station is in the "hot air fail-safe" mode. Check the hot air gun's motor and the hot air gun's power circuitry.
- When replacing the heating element, take note of the original connecting order and colors of the wires, which MUST NOT be connected incorrectly.

Nozzle style (specifications and sizes)

This product does not include the accessories below, information for reference only.

Nozzle diameters in correspondence to the respective IC sizes

IC Size	QFB	SOP	PLCC	SOJ	BGA(CSP)	A1325 Single-tube	Front nozzle
A1125 QFP 10x10 (0.39x0.39)	A1126 QFP 14x14 (0.55x0.55)	A1127 QFP 17.5x17.5 (0.68x0.68)	A1128 QFP 14x20 (0.55x0.78)	A1129 QFP 28x28 (1.1x1.1)			
A1135 PLCC 17.5x17.5 (0.68x0.68) (44pins)	A1136 PLCC 20x20 (0.78x0.78) (52pins)	A1137 PLCC 25x25 (0.98x0.98) (68pins)	A1138 PLCC 30x30 (1.18x1.18) (84pins)	A1139 PLCC 12.5x7.3 (0.49x0.49) (18pins)			
A1140 PLCC 11.5x11.5 (0.45x0.45) (28pins)	A1141 PLCC 11.5x14 (0.45x0.55) (28pins)	A1182 BOFP 24x24 (0.94x0.94)	A1187 TSOL 18.5x8 (0.73x0.31)	A1257 SOP 11x21 (0.43x0.83)			
A1258 SOP 13x28 (0.51x1.1)	A1260 SOP 8.6x18 (0.34x0.71)	A1261 QFP 20x20 (0.78x0.78)	A1262 QFP 12x12 (0.47x0.47)				
A1263 QFP 28x40 (1.1x1.57)	A1264 QFP 40x40 (1.57x1.57)	A1265 QFP 32x32 (1.26x1.26)	A1124 Single-tube Φ2.5 (1.1x1.57)	A1130 Single-tube Φ4.4 (0.17)			
A1131 SOP 4.4x10 (0.17x0.39)	A1132 SOP 5.6x13 (0.22x0.51)	A1133 SOP 7.5x15 (0.3x0.59)	A1134 SOP 7.5x18 (0.3x0.7)	A1142 Curved single tube Φ4.4 (0.17) (0.06x0.12)			