EL-NO4

WHA3000PS

DIGITAL HOT AIR REWORK SYSTEM

THE WELLER ADVANTAGE:

This station has high-end versatility to meet your most demanding rework challenges, including repair of fine-pitch components on densely-packed boards.



WBHS

Circuit board holder with hot air pencil stand holds the HAP3 hot air pencil perpendicular to the printed circuit board under repair, raises and lowers it precisely onto the component being reworked.



WHA3000PS Components & Specifications:

Yes

WHA3000P

Voltage
Power Consumption
Temperature Range
Dimensions
Pump Type
Vacuum Pressure
Air Flow Volume
Temperature Accuracy
ESD Safe

Power Unit 120V (Input) 700 W 150° F - 999° F (50° C - 550° C) 9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm) Maintenance-free Rotary Vane -0.6 bar 5 l/min. - 50 l/min. +/- 54° F (+/- 30° C) WBHS Circuit Board Holder with Tool Stand Order No. 0053316599

(See Page 36 of this catalog for specifications)

WHP3000 Heating Plate

(See Page 36 of this catalog for specifications)



er-NQ4

WHA3000PS

COMPONENTS AND ACCESSORIES



WBHS

CIRCUIT BOARD HOLDER AND TOOL STAND

- Holds circuit boards up to 310 mm x 320 mm for outstanding versatility
- Precision glides allow board to be precisely positioned and secured at any point along the X and Y axes
- Accommodates both single and double sided boards
- Holds PCBs totally flat for added precision and repeatability
- Tool holder positions hot air pencil perpendicular to the PCB
- Smooth-acting lever raises and lowers the tool precisely onto the component 1.4 in. (35 mm) along the Z axis

WBH CIRCUIT BOARD HOLDER (not shown)

Same as WBHS, but without tool holder

WHP3000

INFRARED HEATING PLATE

- Reduces risk of thermal damage by providing controlled, even heat
- Set and read temperatures digitally displayed for added control of process
- Optional Type K thermocouple can be connected to display actual temperatures at specific areas of the circuit under repair to further guard against damage to sensitive components
- Can be used alone or beneath WBHS or WBH circuit board holders
- Can be controlled independently, or can be integrated into the control system of either the WHA3000P or the WHA3000V



Components & Specifications

WBHS

12.6 x 17.6 x 17.3 in. (320 x 446 x 440 mm) Dimensions

Order No. 0053316599

WBH

12.6 x 17.6 x 3.9 in. (320 x 446 x 100 mm) Dimensions Order No.

0053316499

WHP3000

Voltage

200 W (small heating zone); Power Consumption 600 W (large heating zone)

150° F – 750° F (50° C – 400° C) Temperature Range 10.0 x 15.6 x 2.8 in. (254 x 395 x 70 mm) Dimensions

ESD Safe





0058755745





Accessories

0058754873 Adjustable circuit board stop 0058755745 Support for large circuit boards 0058755741

Circuit board clamp

0058754924 Clamp set for irregular-shaped circuit boards (mobile phones, digital cameras, etc.)





er-NQ4

WHA3000P

DIGITAL HOT AIR STATION

THE WELLER ADVANTAGE:

This 700-watt hot air station has advanced features for unsurpassed process control and a quiet, yet powerful internal air source for maximum portability.



FEATURES AND BENEFITS:

- Self-contained bench-top unit no external air source required
- Capable of performing demanding repair tasks on PCBs with complex fine pitch surface mounted components
- Set and read temperatures are digitally displayed
- Automatic mode allows up to ten separate programs to be stored in memory, each with a unique air temperature / air volume / process time profile for the ultimate in control and process repeatability
- Special ionizing circuit assures hot air is static-free to protect sensitive components
- Optional nozzle change tool allows quick changeout of nozzles, even when hot
- Works with optional Type K thermocouple to measure temperature on specific area of PCB for more precise process monitoring
- Three position foot switch: OFF-HOT AIR-VACUUM
- System includes a 0.669" x 0.925" (17.0mm x 23.5mm) hot air nozzle (Order no. 0058750721) Hot air pencil accepts wide range of patented technology nozzles for maximum versatility, see page 41

WHA3000V

Similar to the WHA3000P, except without internal turbine air source; uses compressed air or inert gas



WHA3000P Components & Specifications

Power Unit Voltage

Power Consumption Temperature Range Dimensions Pump Type Vacuum Pressure Air Flow Volume

Temperature Accuracy

120 V 700 W 150° F

150° F – 999° F (50° C – 550° C) 9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm) Rotary Vane

- 0.6 Bar 5 l/min. – 50 l/min. +/- 54° F (+/- 30° C)

ESD Safe Yes

Accessories for WHA3000P and WHA3000V

0051504999 0058755782 0053119099 0051504899

Nozzle change tool 0.10 mm Type K external sensor 0.50 mm Type K external sensor Stand for hot air nozzles



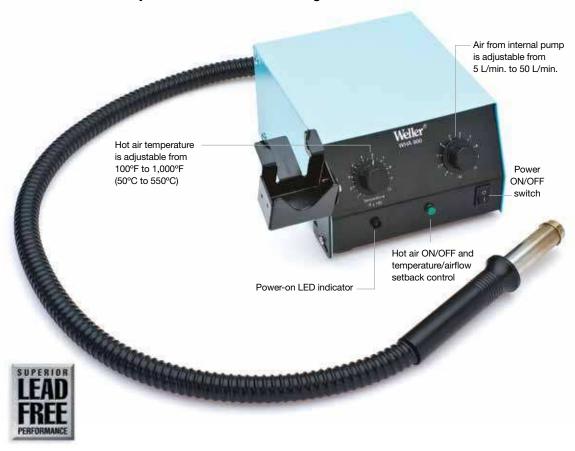
er-NQ4

WHA900

SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

The WHA900 has a closed loop feedback that continuously monitors and controls the temperature. Set it once and forget it.



FEATURES AND BENEFITS:

- Temperature and air flow setback can be pre-selected by the user
- Closed loop feedback continuously adjusts heat output
- Hot air hand piece uses WHA nozzles found on page 41

WHA900 Components and Specifications:

Power Unit

Voltage Power Consumption Temperature Range Dimensions Pump Type Air Flow Volume

Temperature Accuracy ESD Safe Closed-loop temperature control 120 V (input); 120 V (output)

150° F – 1000° F or 50° C – 550° C 8.125 x 6.625 x 4.25 in. (206 x 168 x 108 mm)

Turbine 5 I/min. – 50 I/min. +/- 54° F (+/- 30° C)

Yes Yes



removes surface mount components.

Nozzle not included.



PCN-NO4

WR2000

DIGITAL SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

Digital microprocessor control and an internal air and vacuum source give this 300-watt dual channel rework station amazing performance and versatility.



FEATURES AND BENEFITS:

- Self-contained air and vacuum
- Economy (ECO) button for "sleep mode"
- Programmable temperature presets for immediate temperature selection
- 2 independent tool channels with automatic tool recognition
- Simultaneous use of 2 tools (up to maximum 300 W power rating of the unit)
- ESD safe
- Hot air pencil uses HAP series nozzles found on page 33

Components and Specifications:

 Order No.
 Model
 Description

 WR 2
 WR 2
 Power unit, 300 W

 0052711599
 HAP 1
 Hot air pencil 100 W / 24 V fitted with 3.0 round nozzle

 0051515299
 WDH 30
 Safety rest



WAD101

DIGITAL COMPRESSED AIR HOT AIR STATION

THE WELLER ADVANTAGE:

Digital microprocessor control and the ability to use external compressed air or gas give this 100-watt hot air station amazing performance and versatility.



- Powerful (100-watt) HAP1 pencil precisely delivers hot air to small SMT parts, reducing the risk of damage to adjacent components
- Finger-activated hot air switch on pencil provides exceptional control
- Digital temperature control has easy-to-read LED display for fast and accurate temperature set
- Optional WCB1 programming module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion
- Hot air pencil uses HAP nozzles found on page 33

WAD101 Components and Specifications:

Power Unit

Voltage 120 V (input); 24 V (output)

Power Consumption 100 W

Temperature Range 150° F – 999° F or 50° C – 550° C 4.5 x 5.9 x 3.6 in. (114 x 150 x 91 mm) Dimensions

Air Flow Volume 1 l/min. - 6 l/min. +/- 54° F (+/- 30° C)

Temperature Accuracy Yes

ESD Safe

HAP1 Pencil

ESD Safe

Power Consumption

Heating Element Type Nichrome wound; fiberglass and ceramic insulated

Cord Length 4 ft. (1.22 m)

Yes

Supplied Nozzle 1.2mm nozzle (Order No. 0058727821) Supplied Stand

KH 27

NOZZLES

FOR WHA SERIES STATIONS

(Δ) Denotes Make To Order. Contact us for a quote and lead-time.

			Α	В	}
ROUND (NO VACUUM)	Cat No.	IN.	MM	IN.	MM
	0058736881	0.098	2.50		
↓ ^A	0058736867	0.157	4.00		
<u>, </u>	0058736870	0.276	7.00		
	0058736836∆	0.453	11.50		
	0030730030Δ	0.433	11.50		
			Α	Е	3
ROUND BENT (NO VACUUM)	Cat No.	IN.	ММ	IN.	ММ
	0058736882	0.059	1.50		
ROUND DUAL (NO VACUUM)			Α	В	
ROUND DUAL (NO VACOUM)	Cat No.	IN.	ММ	IN.	ММ
	0058736883	0.098	2.50	0.374	9.50
2-SIDES HEATED	Cat No.	IN.	A MM	IN.	MM
= A -	0058736840	0.583	14.80	0.846	21.50
	0058736842	0.394	10.00	0.551	14.00
	0058736843	0.421	10.70	0.421	10.70
	0058736841	0.472	12.00	0.748	19.00
	0058736876∆	0.472	12.00	1.063	27.00
I	0058736857∆	1.496	38.00	1.496	38.00
	0058736873∆	1.575	40.00	1.575	40.00
4 CIREC HEATER			Α	E	3
4-SIDES HEATED	Cat No.	IN.	A MM	IN.	MM
4-SIDES HEATED	Cat No. 0058736839				ММ
4-SIDES HEATED		IN.	ММ	IN.	MM 11.00
	0058736839	IN. 0.433	MM 11.00	IN. 0.433	MM 11.00 14.80
- A-+	0058736839 0058736818	0.433 0.583	MM 11.00 14.80	0.433 0.583	11.00 14.80 18.00
	0058736839 0058736818 0058736814 0058736807	0.433 0.583 0.709 0.807	11.00 14.80 18.00 20.50	0.433 0.583 0.709 0.807	11.00 14.80 18.00 20.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804	0.433 0.583 0.709 0.807 1.024	MM 11.00 14.80 18.00 20.50 26.00	0.433 0.583 0.709 0.807 1.024	11.00 14.80 18.00 20.50 26.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833	0.433 0.583 0.709 0.807 1.024 1.260	MM 11.00 14.80 18.00 20.50 26.00 32.00	0.433 0.583 0.709 0.807 1.024 1.260	11.00 14.80 18.00 20.50 26.00 32.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891	0.433 0.583 0.709 0.807 1.024 1.260 1.417	11.00 14.80 18.00 20.50 26.00 32.00 36.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417	11.00 14.80 18.00 20.50 26.00 32.00 36.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736838	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00	N. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736838 0058736838	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736880∆ 0058736880∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736880∆ 0058736880∆ 0058736837 0058736892∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063	11.00 14.80 18.00 20.50 26.00 32.00 43.00 14.50 24.00 15.50 27.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736838 0058736880∆ 0058736837 0058736892∆ 0058750721	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.551	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 27.00 23.50
A	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736890∆ 0058736838 0058736838 0058736837 0058736892∆ 0058750721 0058736877∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.551 0.669	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 27.00 23.50 29.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736880∆ 0058736837 0058736837 0058736872∆ 0058736877∆ 0058736877∆ 0058736998∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.669 0.669	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398	11.00 14.80 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 29.00 35.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736890∆ 0058736838 0058736837 0058736837 0058736892∆ 00587368721 00587368998∆ 0058736998∆ 0058736999∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.551 0.669 0.669 0.906 1.201	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909	11.00 14.80 20.50 26.00 32.00 36.00 43.00 14.50 27.00 27.00 23.50 48.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736838 0058736837 0058736892∆ 0058750721 0058736999∆ 0058736999∆ 0058736999∆ 0058736999∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.551 0.669 0.669 0.906 1.201 1.260	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732	11.00 14.80 18.00 20.50 26.00 32.00 33.00 43.00 14.50 24.00 15.50 27.00 23.50 29.00 48.50 44.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736891 0058736890∆ 0058736890∆ 0058736838 0058736880∆ 0058736892∆ 0058736877∆ 0058736998∆ 0058736999∆ 0058736999∆ 0058736858∆ 0058750709∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.551 0.669 0.669 0.906 0.906 1.201 1.260 1.496	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 17.00 23.00 30.50 32.00 38.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 27.00 23.50 29.50 48.50 48.50
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736833 0058736891 0058736890∆ 0058736838 0058736837 0058736892∆ 0058750721 0058736999∆ 0058736999∆ 0058736999∆ 0058736999∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.551 0.669 0.669 0.906 1.201 1.260	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732	
	0058736839 0058736818 0058736814 0058736807 0058736804 0058736891 0058736890∆ 0058736880∆ 0058736880∆ 0058736887 0058736892∆ 0058750721 0058736877∆ 0058736998∆ 0058736998∆ 0058736858∆ 0058750709∆ 0058750709∆ 0058750714∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.555 1.669 0.669 0.906 1.201 1.260 1.496	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00 38.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 2.402	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 27.00 35.50 48.50 44.00 48.50 61.00
- A-+	0058736839 0058736818 0058736814 0058736807 0058736804 0058736891 0058736890∆ 0058736890∆ 0058736838 0058736880∆ 0058736892∆ 0058736877∆ 0058736998∆ 0058736999∆ 0058736999∆ 0058736858∆ 0058750709∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.551 0.669 0.906 1.201 1.260 1.496	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00 38.00 38.00	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732 1.909 2.402	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 27.00 23.50 29.00 35.50 44.00 48.50 61.00
	0058736839 0058736818 0058736814 0058736807 0058736804 0058736891 0058736890∆ 0058736880∆ 0058736880∆ 0058736887 0058736892∆ 0058750721 0058736877∆ 0058736998∆ 0058736998∆ 0058736858∆ 0058750709∆ 0058750709∆ 0058750714∆	0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.555 1.669 0.669 0.906 1.201 1.260 1.496	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00 38.00 38.00	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732 1.909 2.402	MM 11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 27.00 23.50 29.00 35.50 48.50 48.50 61.00
ROUND DUAL (ADAPTER)	0058736839 0058736818 0058736814 0058736807 0058736804 0058736891 0058736890Δ 0058736880Δ 0058736880Δ 0058736882Δ 0058736892Δ 0058736877Δ 0058736899Δ 0058736899Δ 0058736991Δ 00587368736991Δ 00587368736991Δ 00587368736991Δ 0058736858Δ 00587507014Δ Cat No.	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.512 0.551 0.669 0.906 1.201 1.260 1.496 1.496 IN.	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00 38.00	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732 1.909 2.402	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 14.50 24.00 15.50 27.00 35.50 48.50 44.00 48.50 61.00
ROUND DUAL (ADAPTER)	0058736839 0058736818 0058736814 0058736807 0058736804 0058736890Δ 0058736890Δ 0058736880Δ 0058736880Δ 0058736880Δ 0058736892Δ 00587368970 0058736899Δ 0058736999Δ 0058736999Δ 0058736858Δ 0058736874 0058736874 0058736874 0058736874 0058736874 0058750709Δ 0058750714Δ	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.394 0.472 0.551 0.669 0.906 1.201 1.260 1.496 1.496 IN.	11.00 14.80 18.00 20.50 26.00 32.00 36.00 43.00 10.00 12.00 13.00 14.00 17.00 23.00 30.50 32.00 38.00 38.00 A MM	IN. 0.433 0.583 0.709 0.807 1.024 1.260 1.417 1.693 0.571 0.945 0.610 1.063 0.925 1.142 1.398 1.909 1.732 1.909 2.402	11.00 14.80 18.00 20.50 26.00 32.00 43.00 14.50 24.00 15.50 27.00 35.50 48.50 44.00 48.50 61.00





WHP200

200 WATT IR PRE HEATER

THE WELLER ADVANTAGE:

The WHP200 is a small, powerful, infrared preheater designed to minimize the risk of thermal damage and to speed up the repair process on small multilayer PCBs.



FEATURES AND BENEFITS:

- Suitable for use with a range of consumer electronic boards. It is perfect for rework operations on digital camera, mobile phone, MP3 player, and PDA PCBs
- The infrared plate provides fast, precisely controlled heating to create an even substrate temperature
- Simple to use, with very easy adjustment for the heating temperature
- Heating plate comes complete with a PCB board holder so there is no need to buy additional accessories
- Set and read temperatures digitally displayed for added process control

WHP200 Components and Specifications:

Power Unit

Voltage

Dimensions (L x W x H) incl. pcb holder Dimensions Heating Zone (L x W)

4.72 x 2.36 inch (120 x 60 mm) 120 V / 50/60 Hz

Power Temperature Range Heat Zone 200 W, Medium Wave Infrared 150°F – 750°F (50°C – 400°C)

7.6 x 7.6 x 3.3 inch (193 x 193 x 84 mm)

THE WELLER ADVANTAGE:

The WHP1000 is a high power preheater that is suitable for contact preheating. Use it under a board holder, or simply place your work directly on the working surface. The WHP1000 is well suited for use with flat silicon cells as well as ceramic and glass printed circuit boards.



FEATURES AND BENEFITS:

- Allows the temperature of the board's substrate material to be raised to the correct working temperature, ensuring perfect soldering operations without the risk of damage from thermal shock to the board
- Large 8.75 x 6.00 inch pre-heating area with even heat distribution
- Four heating elements allow electronic assemblies to be pre-heated in a variety of ways
- Digitally controlled electronics ensure precise temperature regulation and support special functions such as "Auto Off" and "Standby Temperature". Set and actual temperatures can be viewed on the digital display
- An insulated Type K thermocouple (optional) can be used to monitor the temperature at specific locations on the board (0.5mm, Order no. 0053119099), (0.1mm MTO, Order no. 0058755782)
- An integrated RS232 interface enables the device to be controlled externally from the Weller WHA3000P or WHA3000V
- RoHS Compliant MIL-SPEC compliant

WHP1000 Components and Specifications:

Power Unit

Dimensions (W x L x H): 10.0 x 11.0 x 2.75 inches

 $\begin{array}{c} (254 \times 280 \times 70 \text{ mm}) \\ \text{Heating plate} \\ 6.0 \times 8.75\text{"} (150 \times 220 \text{ mm}) \end{array}$

Power supply 120 V / 50/60 Hz

Power 850 W

Temperature range 150°F - 570°F (50°C - 300°C)

ESD Safe Yes

HOT AIR STATIONS

