




Weller[®]
Get the Advantage





THE WELLER ADVANTAGE



Weller has come a long way from its humble beginnings back in 1945 when Carl Weller, a home radio repairman, wasn't satisfied with the bulky, slow-heating soldering irons that were the tools of his trade. The technology he pioneered, combined with his own design ingenuity, created the first soldering gun, an invention that revolutionized the electronics manufacturing and repair industries.

Today, the Weller brand is still synonymous with electronics design innovation, but in a very different way. Weller is now the most respected name in specialized soldering and desoldering products for production, rework, and repair of through hole and SMT boards, products for contact removal of ICs and QFPs, non-contact hot air products, and much more.

Weller's latest line of products again breaks new ground... this time in the fast-growing arena of lead-free soldering technology. Weller Silver Series stations have the



power to handle the extra demands of lead-free soldering and the versatility to tackle a wide array of applications. As always, the famous Weller blue signifies products that help maximize productivity with a combination of innovation and value.

See for *yourself*...the time has never been better to get the Weller advantage.



C O N T E N T S

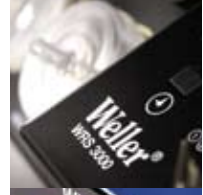
4
Soldering Stations



21
Desoldering Stations



24
Rework Stations



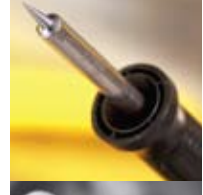
25
Hot Air Stations



34
Fume Extraction



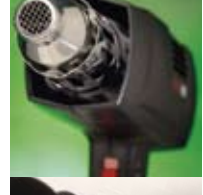
36
Soldering Irons



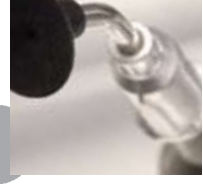
41
Cordless Soldering Irons



45
Heat Guns



47
Accessories



Weller

WD1002

DIGITAL SILVER SERIES SOLDERING STATION

THE WELLER ADVANTAGE:

Another Weller breakthrough gives you two pencils in one. This powerful 80-watt pencil allows rapid production when working with lead-free solder, high mass components, and other demanding applications. A special silver heating element for low thermal loss and fast recover make this unit ideal for continuous production work. And the interchangeable barrel gives you the option of working with either a traditional length or shorter tip-to-grip.



The Silver Spool heating element provides low thermal loss and fast recovery

FEATURES AND BENEFITS:

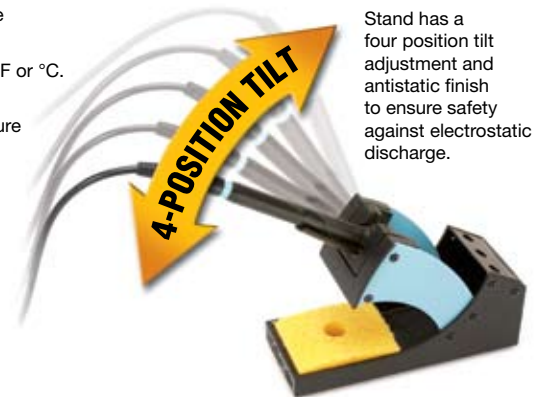
- Modern LCD technology gives the user critical information at a glance
- Three freely programmable temperature preset buttons allow quick and easy temperature changes
- Powerful 80-watt pencil allows rapid production when working with lead-free solder, high-mass components, and other demanding applications

The following functions are built in to the WD1 power unit:

- Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.
- Standby temperature: Allows selection of desired setback temperature, down to 200°F.
- Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.
- °F/°C switching: Allows the temperature display to read in either °F or °C.
- Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.
- Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.



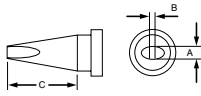
Optional longer barrel available



Stand has a four position tilt adjustment and antistatic finish to ensure safety against electrostatic discharge.

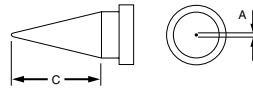
TIPS

LT SERIES TIPS FOR WSP80 SOLDERING PENCIL TINNED WITH LEAD FREE SOLDER



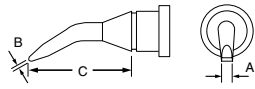
CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
LTA	0.063	1.60	0.028	0.70	0.380	9.70
LTB	0.094	2.40	0.031	0.79	0.430	10.90
LTC	0.126	3.20	0.031	0.79	0.430	10.90
LTD	0.181	4.60	0.031	0.79	0.430	10.90
LTH	0.031	0.79	0.016	0.40	0.430	10.90
LTK	0.047	1.20	0.016	0.40	0.730	18.50
LTL	0.078	2.00	0.039	1.00	0.790	20.00
LTM	0.126	3.20	0.047	1.20	0.790	20.00



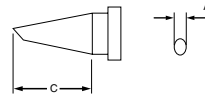
ROUND

Cat No.	A		C	
	IN.	MM	IN.	MM
LT1	0.010	0.25	0.430	10.90
LT1L	0.008	0.20	0.980	25.00
LT1S	0.008	0.20	0.590	15.00
LTAS	0.063	1.60	0.380	9.70
LTCS	0.126	3.20	0.430	10.90
LTS	0.016	0.40	0.790	20.00



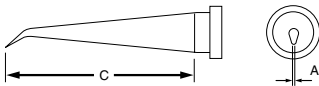
BENT CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
LT4X	0.047	1.20	0.016	0.40	0.590	15.00
LTAX	0.063	1.60	0.032	0.80	0.500	12.70
LTHX	0.024	0.60	0.016	0.40	0.790	20.00



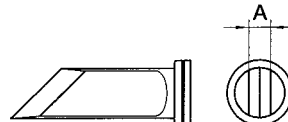
SINGLE FLAT

Cat No.	A		C	
	IN.	MM	IN.	MM
LTF	0.047	1.20	0.490	12.50



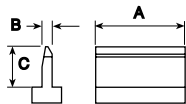
BENT ROUND

Cat No.	A		C	
	IN.	MM	IN.	MM
LT1LX	0.008	0.20	0.980	25.00
LT1SLX	0.012	0.30	0.760	19.20
LT1X	0.016	0.40	0.370	9.40



KNIFE

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
LTKN	0.059	1.50	0.033	0.80	0.730	18.50



SMT BLADE

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
LTSMT01	0.410	10.41	0.022	0.56	0.280	7.11
LTSMT02	0.620	16.75	0.022	0.56	0.280	7.11
LTSMT03	0.820	20.83	0.022	0.56	0.280	7.11



WD1001

DIGITAL SILVER SERIES SOLDERING STATION

THE WELLER ADVANTAGE:

With a tip-to-grip distance of just 37 mm, accuracy is unsurpassed. And with the heating element built into the pencil rather than the tip, replacement tips cost substantially less when compared to systems with tip cartridges.



FEATURES AND BENEFITS:

- Super-fast heat-up and superior thermal recovery for fast efficient soldering
- Tips are secured to the pencil by use of a threaded end, which eliminates the need for a barrel nut
- Modern LCD technology gives the user critical information at a glance
- Three freely programmable temperature preset buttons allow quick and easy temperature changes

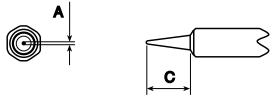
The following functions are built in to the WD1 power unit:

- Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.
- Standby temperature: Allows selection of desired setback temperature, down to 200°F.
- Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.
- °F/°C switching: Allows the temperature display to read in either °F or °C.
- Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.
- Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.



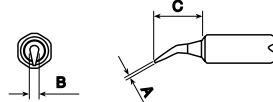
TIPS

**NT SERIES TIPS FOR WMP MICRO SOLDERING PENCIL
TINNED WITH LEAD FREE SOLDER**



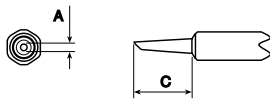
MICRO

Cat No.	A		C	
	IN.	MM	IN.	MM
NT1	0.010	0.25	0.291	7.40
NT1S	0.010	0.25	0.333	8.45



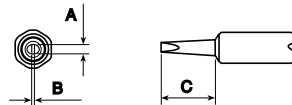
BENT ROUND

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NT1X	0.016	0.40	0.063	1.60	0.321	8.15



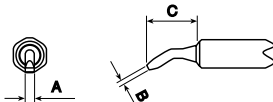
ROUND

Cat No.	A		C	
	IN.	MM	IN.	MM
NT4	0.047	1.20	0.390	9.90



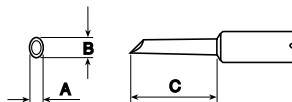
CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NT6	0.063	1.60	0.016	0.40	0.372	9.45
NTA	0.063	1.60	0.016	0.40	0.331	8.40
NTB	0.094	2.40	0.031	0.80	0.289	7.35
NTC	0.126	3.20	0.031	0.80	0.305	7.75
NTD	0.157	4.00	0.031	0.80	0.305	7.75
NTH	0.031	0.80	0.016	0.40	0.331	8.40
NTK	0.047	1.20	0.016	0.40	0.331	8.40



BENT CHISEL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NTAX	0.063	1.60	0.031	0.80	0.339	8.61



GULL WING FOR DRAG SOLDERING

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
NTGW	0.079	2.00	0.118	3.00	0.528	13.40



PRODUCT LINE

FOUR CONFIGURATIONS TO GIVE YOU THE MOST EFFICIENT SOLUTION



WD1

SINGLE CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)



WD2

DUAL CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)



WD1001

WD1 SINGLE CHANNEL POWER UNIT WITH WMP 65 WATT SOLDERING PENCIL AND WDH20 SOLDERING PENCIL STAND

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)
Stand	WDH20 (Order No. 0051512299)
Pencil	WMP



WD1002

WD1 SINGLE CHANNEL POWER UNIT WITH WP80 80 WATT SOLDERING PENCIL AND WDH10 SOLDERING PENCIL STAND

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 9° F (± 5° C)
Temperature stability	± 10° F (± 6° C)
Stand	WDH10 (Order No. 0051512199)
Pencil	WP80 (Order No. 0052918099)
Barrels	Short (Included with the WP80) (Order No. 0058744845) Long (Optional) (Order No. 0058744846)



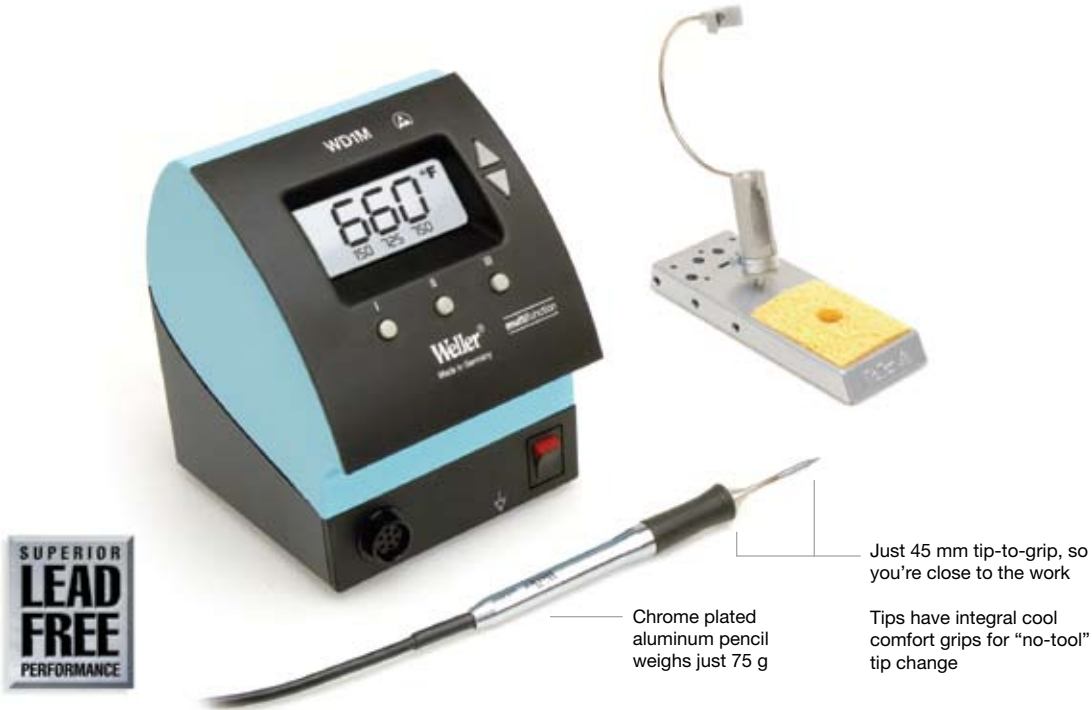
WD1000M

SOLDERING STATIONS

MULTI-FUNCTION DIGITAL SOLDERING STATION WITH PC INTERFACE

THE WELLER ADVANTAGE:

Blazingly fast heat-up and ultra-fine, ultra-precise tips make this station the choice for soldering and rework on extremely close-packed boards.

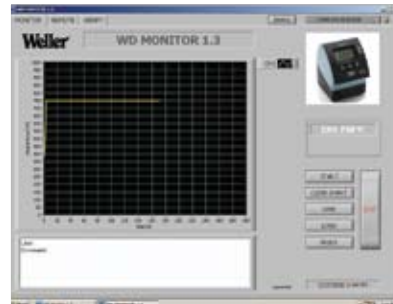


FEATURES AND BENEFITS:

- Fast heat-up, thermal stability, and fine tips make it perfect for production or rework, in standard or lead-free applications
- Heating element is built into the soldering tip for super-fast heat-up and recovery
- When placed in the stand, pencil has auto-off, or temperature setback capability for extended tip life

The following functions are built in to the WD1M power unit:

- Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.
- Standby temperature: Allows selection of desired setback temperature, down to 200°F.
- Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.
- °F/°C switching: Allows the temperature display to read in either °F or °C.
- Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.
- Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.



Simple PC Connection

A USB connector on the rear of the station allows data logging, ISO verification and station control via an external PC. Free software is included.

See page 12 for components and specifications
See page 11 for RT series soldering tips

www.cooperhandtools.com/weller

®



WD2000M

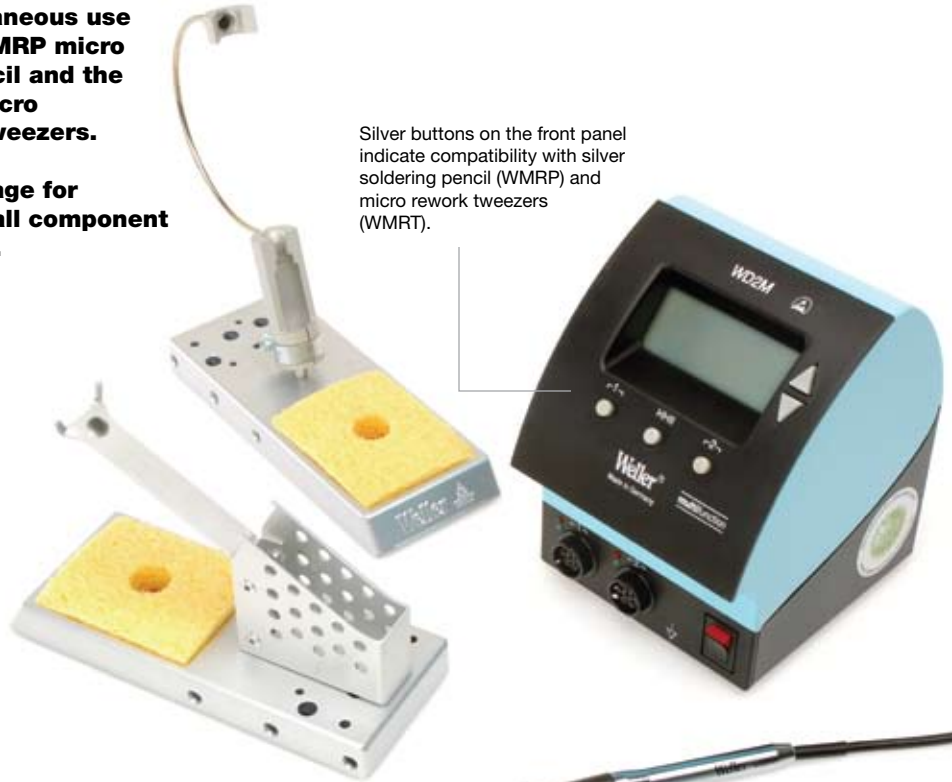
MULTI-FUNCTION DIGITAL SOLDERING STATION WITH PC INTERFACE AND TWO 80 WATT OUTPUTS

THE WELLER ADVANTAGE:

Allows simultaneous use of both the WMRP micro soldering pencil and the new WMRT micro desoldering tweezers.

An ideal package for reworking small component circuit boards.

Silver buttons on the front panel indicate compatibility with silver soldering pencil (WMRP) and micro rework tweezers (WMRT).



FEATURES AND BENEFITS:

- Fast heat-up, thermal stability, and fine tips make it perfect for production or rework, in standard or lead-free applications
- Heating element is built into the soldering tip for super-fast heat-up and recovery
- When you place the WMRT tweezers in the WMRT Stop+Go rest, the unit is switched off to extend tip life.

The following functions are built in to the WD2M power unit:

- Setback time: Allows programming of the number of minutes (1 – 99), before temperature sets back to idle mode.
- Standby temperature: Allows selection of desired setback temperature, down to 200°F.
- Temperature lockout: Allows supervisor to easily set a temperature that cannot be changed by the operator.
- °F/°C switching: Allows the temperature display to read in either °F or °C.
- Temperature offset: Allows the display temperature to be adjusted +/- 72°F when working with higher mass tips, where the temperature reading can be affected by the mass of the tip.
- Auto-Off Time: Allows programming the number of minutes of inactivity (1 – 99), before the station powers off automatically.

Both micro size handpieces have extremely short heat-up time and optimum heat transfer capability.






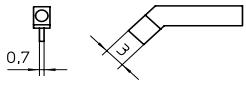

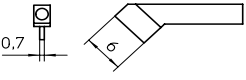


The micro design employs the use of tip cartridges with a twin parallel design, so the tips are always in alignment. With the WMRT, you are able to desolder very small SMD components down to 0201.


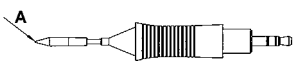
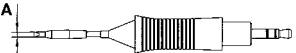
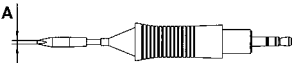
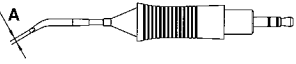
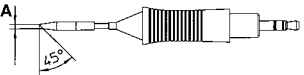
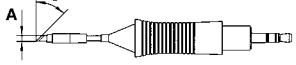
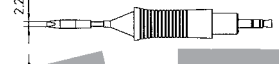

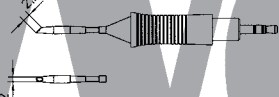
See page 12 for components and specifications
See page 11 for RT and RTW series tips

TIPS

TIP SETS FOR WMRT SOLDERING TWEEZER

		Model	Description	Dimensions		Order No.
		RTW1	Conical	0.2 mm	45°	0054465199
		RTW2	Conical	0.7 x 0.4 mm	45°	0054465299
		RTW3	Blade	3.0 x 0.7 mm	45°	0054465399
		RTW4	Blade	6.0 x 0.7 mm	45°	0054465499

RT SERIES TIPS FOR WMRP MICRO SOLDERING PENCIL

	Model	Description	Width A	Thickness B	Order No.
	RT1	Needle tip	-	-	0054460199
	RT2	Point tip	Ø 0.4 mm	-	0054460299
	RT3	Chisel shape, straight	1.3 mm	0.4 mm	0054460399
	RT4	Chisel shape, straight	1.5 mm	0.4 mm	0054460499
	RT5	Chisel shape, bent, 30°	0.8 mm	0.4 mm	0054460599
	RT6	Round shape, beveled, 45°	Ø 1.2 mm	-	0054460699
	RT7	Knife tip, 45°	2.2 mm	-	0054460799
	RT8	Chisel tip, straight	2.0 mm	0.2 mm	0054460899
	RT9	Chisel tip, straight	0.6 mm	0.2 mm	0054460999
	RT10	Gull wing for drag soldering	2.0 mm	3.0 mm	0054461099



PRODUCT LINE

FOUR CONFIGURATIONS TO GIVE YOU THE MOST EFFICIENT SOLUTION



WD1M

SINGLE CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)



WD2M

DUAL CHANNEL POWER UNIT

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)



WD1000M

WD1M SINGLE CHANNEL POWER UNIT WITH WMRP MICRO SOLDERING PENCIL AND WMRH SOLDERING PENCIL STAND

Specifications:

Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	85W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)
Stand	WMRH (Order No. 0051514599)
Pencil	WMRP (Order No. 0052917199)



WD2000M

WD2M DUAL CHANNEL POWER UNIT WITH WMRP MICRO SOLDERING PENCIL AND WMRH SOLDERING PENCIL STAND, PLUS WMRT MICRO THERMAL TWEEZER AND WMRTH STAND

Specifications:












Voltage	120 V (input); 24 V (output)
Footprint	5.27" x 4.25" x 5.77" (134 x 108 x 147 mm)
Power consumption	160W
Temperature range	150° F - 850° F (50° C - 450° C)
ESD safe	Yes
Temperature accuracy	± 17° F (± 9° C)
Temperature stability	± 9° F (± 5° C)
Stands	WMRH (Order No. 0051514599) WMRTH (Order No. 0051514699)
Pencils	WMRP Micro Soldering Pencil (Order No. 0052917199) WMRT Micro Tweezers (Order No. 0051317399)



COMPATIBILITY

MULTIPLE OPTIONS | WELLER POWER UNITS AND ACCESSORIES

SOLDERING STATIONS

	WD1	WD2	WD1M	WD2M
WSP80 	■	■	■	■
WP80 	■	■	■	■
WMP 	■	■	■	■
WMRP 			■	■
WMRT 			■	■
WTA50 	■	■	■	■
WSP150 		■		■
WHP80 	■	■	■	■
WSB80 	■	■	■	■
WSB150 		■		■
FE75 	■	■	■	■



Weller®



ACCESSORIES

MIX AND MATCH TO BUILD YOUR OWN CUSTOM SOLUTION

See page 13 to determine accessory and power unit compatibility

WSP80

80 WATT SOLDERING PENCIL

A micro soldering pencil, 80 W/24V. This soldering pencil can be universally used in all situations from extremely delicate soldering to those where there is a greater temperature requirement. Use with WDH10 support (Order no. 0051512199). Comes with LTB tip.



WP80

80 WATT SOLDERING PENCIL WITH SHORT GRIP

(Order no. 0052918099)

A micro soldering pencil, 80W / 24V. Similar in use and performance to the WSP80. Comes with a short barrel grip so you can get close to the work. Optional longer grip (order no. 0058744846) is available. Use with WDH10 support (order no. 0051512199). Comes with LTB tip.



WMP

MICRO SOLDERING PENCIL

The 65W / 24V pencil is up to the task with superior performance for both heat-up and thermal efficiency. Suitable to handle all micro components and fine pitch tasks. The WMP provides an extremely short tip-to-grip distance. The heater is integrated into the handle. When the tip wears out, the heating element lives on. Use with WDH20 support (order no. 0051512299). Comes with NT1 tip.



WMRP

MICRO SOLDERING PENCIL

(Order no. 0052917199)

The WMRP soldering pencil has an extremely short heat-up time. All component parts of the system, such as the sensor and heating element, are designed for optimum heat transfer. This ensures absolute efficiency in the utilization of the power provided by the power unit. Changing soldering tips is quick, easy, and requires no tools. Use with WMRH support (order no. 0051514599). Comes with RT3 tip.



WMRT

MICRO DESOLDERING TWEEZERS

(Order no. 0051317299)

The new WMRT desoldering tweezers enables precise desoldering of very small SMD components down to 0201. The high-speed regulation of the WD1M and WD2M power units drive the tweezers. Use with WMRTH support (Order no. 0051514699). For WMRT tweezers and WMRTH support in a set, order no. 0051317399. Comes with RTW2 tip set.



WTA50

THERMAL TWEEZERS

(Order no. 0051317199)

This 50W / 24V tool is used to desolder SMD components. The tweezer has two movable heating elements so that tip alignment can be adjusted. Use with AK51 support (Order no. 0051504299). For WTA50 tweezers and AK51 support in a set, order no. 0053313399. Comes with WTA1 tip sets.



WSP150

HEAVY DUTY SOLDERING PENCIL

(Order no. 0053313599)

This heavy duty 150W / 24V soldering pencil is used for jobs with extremely high heat requirements and large heat sinks. When operating with dual power units WD2 or WD2M, the second port is disabled. Use with PH60 support. Comes with LHTF tip.

Available tips

Cat. No.	Order No.	Style	A	B
LHTD	0054445299	Chisel	0.185" (4.7 mm)	0.71" (1.5 mm)
LHTE	0054445199	Chisel	0.263" (6.7 mm)	0.71" (1.5 mm)
LHTF	0054445099	Chisel	0.366" (9.3 mm)	0.71" (1.5 mm)



WHP80

PREHEATING PLATE

(Order no. 0052702899)

This 80W / 24V preheater is used with any 80W power unit. It is used to slowly increase the temperature of a PC board prior to rework to minimize the risk of damaging sensitive components. Heating surface is 80 mm x 50 mm. The temperature range is adjustable from 150°F to 850°F.



WSB80

SOLDER BATH

(Order no. 0052704099)

The 80W / 24V solder bath is used with any 80W power unit. The solder bath is used as a rework preparation tool to tin wire ends and to clean and tin component leads. It can also be used to clean extraneous solder particles in preparation for rework. Temperature range is adjustable from 150°F to 850°F. Compatible with lead free solders.



WSB150

SOLDER BATH

(Order no. 0052704299)

The WSB150 solder bath is ideally suited to tin coating and preparation of soldering components. The heat output is 150W / 24V and the adjustable temperature range is 150°F – 999°F. When operating with dual power units WD2 or WD2M, the second port is disabled.

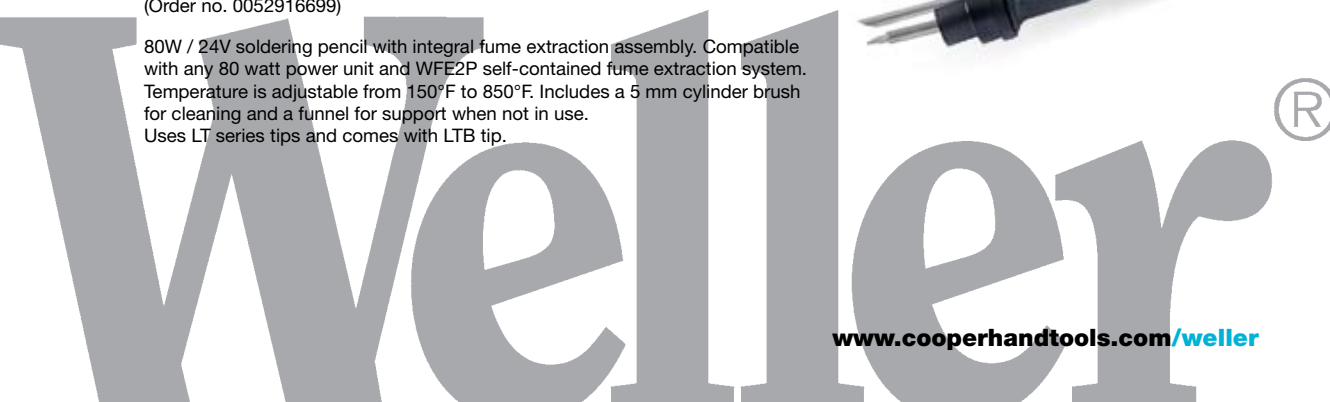


FE75

FUME EXTRACTION SOLDERING PENCIL

(Order no. 0052916699)

80W / 24V soldering pencil with integral fume extraction assembly. Compatible with any 80 watt power unit and WFE2P self-contained fume extraction system. Temperature is adjustable from 150°F to 850°F. Includes a 5 mm cylinder brush for cleaning and a funnel for support when not in use. Uses LT series tips and comes with LTB tip.



WES51

ANALOG SOLDERING STATION

THE WELLER ADVANTAGE:

A powerful and economical continuous production soldering station, this unit has temperature limit lockout and automatic power-down features to keep you in control.



Wireless lockout limits maximum temperature

Slim, comfortable pencil reduces operator fatigue

FEATURES AND BENEFITS:

- Designed for continuous production, rework, and repair of through hole, SMT boards, most ground planes, and multi-layer boards
- Wireless temperature lockout prevents operator from raising temperature to levels higher than specified for the board or component
- Station automatically powers down after 99 minutes of inactivity to prolong tip life and save power
- Pencil is fitted with non-burnable silicone rubber cord for added safety
- Pencil uses ET series tips found on page 18

Components and Specifications:

WES51PU Power Unit

Voltage	120 V (input); 24 V (output)
Temperature Range	350° F - 850° F (177° C - 454° C)
Dimensions	5.9 x 4.5 x 3.6 in. (150 x 114 x 91 mm)
Temperature Accuracy	+/- 9° F (+/-5° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

PES51 Pencil

Power Consumption	50 W
Heating Element Type	Nichrome Wound; Fiberglass and Ceramic Insulated
Cord Length	4 ft. (1.22 m)
Supplied Tip	ETA
Supplied Stand	PH50



Wireless temperature lockout gives you control over the process.

WESD51

DIGITAL SOLDERING STATION

SOLDERING STATIONS

THE WELLER ADVANTAGE:

A powerful and economical continuous production soldering station, this unit has temperature limit lockout, automatic power-down features, and a digital display to keep you in control.



FEATURES AND BENEFITS:

- Designed for continuous production, rework, and repair of through hole, SMT boards, most ground planes, and multi-layer boards
- Wireless temperature lockout prevents operator from raising temperature to levels higher than specified for the board or component
- Digital readout allows quick and accurate temperature control
- Station automatically powers down after 99 minutes of inactivity to prolong tip life and save power
- Pencil is fitted with non-burnable silicone rubber cord for added safety
- Pencil uses ET series tips found on page 18

Components and Specifications:

WESD51PU

Voltage
Temperature Range
Dimensions
Temperature Accuracy
Temperature Stability
ESD Safe

Power Unit

120 V (input); 24 V (output)
350° F - 850° F (175° C - 450° C)
5.9 x 4.5 x 3.6 in. (150 x 114 x 91 mm)
+/- 9° F (+/-5° C)
+/- 10° F (+/-6° C)
Yes

PES51 Pencil

Power Consumption
Heating Element Type
Cord Length
Supplied Tip
Supplied Stand

50 W
Nichrome Wound; Fiberglass and Ceramic Insulated
4 ft. (1.22 m)
ETA
PH50



Wireless temperature lockout gives you control over the process.

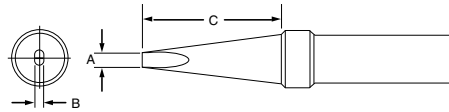


TIPS

ET SERIES TIPS FOR PES51 SOLDERING PENCIL TINNED WITH LEAD FREE SOLDER

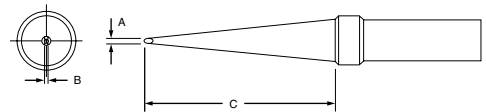
THE WELLER ADVANTAGE:

The sensor hole in the base of the tip is fitted with a stainless steel liner to prevent the tip from seizing to the sensor.



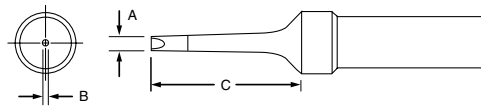
SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETA*	0.062	1.60	0.032	0.81	0.625	15.90
ETB*	0.093	2.40	0.020	0.51	0.625	15.90
ETC*	0.125	3.20	0.027	0.69	0.625	15.90
ETD	0.187	4.80	0.035	0.89	0.625	15.90
ETH	0.031	0.80	0.019	0.48	0.625	15.90



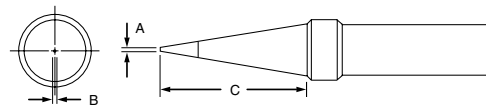
LONG SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETJ	0.031	0.80	0.012	0.30	1.000	25.40
ETK*	0.046	1.20	0.026	0.66	1.000	25.40
ETL	0.078	2.00	0.027	0.69	1.000	25.40
ETM	0.125	3.20	0.037	0.94	1.000	25.40



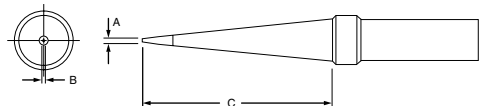
NARROW SCREWDRIVER

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETR	0.062	1.60	0.044	1.12	0.625	15.90



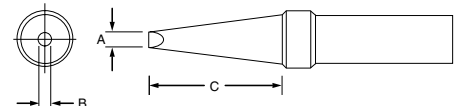
CONICAL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETP*	0.031	0.80	0.012	0.30	0.625	15.90
ETT	0.024	0.60	0.036	0.91	0.625	15.90



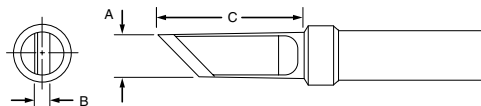
LONG CONICAL

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETO*	0.031	0.80	0.044	1.12	1.000	25.40
ETS*	0.015	0.40	--	--	1.000	25.40



SINGLE FLAT

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETAA	0.062	1.60	0.040	1.02	0.625	15.90
ETBB	0.093	2.40	0.032	0.81	0.625	15.90
ETCC	0.125	3.20	0.032	0.81	0.625	15.90
ETDD	0.187	4.80	0.032	0.81	0.625	15.90
ETU	0.015	0.40	--	--	0.700	17.80
ETV	0.024	0.60	--	--	0.700	17.80



KNIFE

Cat No.	A		B		C	
	IN.	MM	IN.	MM	IN.	MM
ETKN	0.180	4.57	0.064	1.63	0.625	15.90

* Indicates available bulk (100 multiples only)

WTCPT

TEMPERATURE CONTROLLED SOLDERING STATION

SOLDERING STATIONS

THE WELLER ADVANTAGE:

Three tip-dependent temperature options provide maximum control and make this unit perfect for repetitive, basic production, rework, and repair applications.



FEATURES AND BENEFITS:

- Unique closed loop temperature control protects sensitive components
- Ferromagnetic sensor in tip controls temperature, so no adjustment is required
- Most tips available in three standard temperature ranges (600° F, 700° F, 800° F) for maximum control
- Lighted rocker switch indicates on-off status
- Pencil uses PT series tips found on page 20

Components and Specifications:

PU120T Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	60 W
Temperature Range	600° F - 800° F (316° C - 427° C)
Temperature Accuracy	+/- 9° F (+/-5° C)
Dimensions	4.5 x 5.9375 x 3.625 in. (114 x 150 x 91 mm)
ESD Safe	Yes

TC201T Pencil

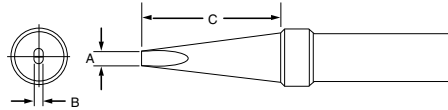
Power Consumption	42 W
Heating Element Type	Nichrome Wound, Plug-in
Cord Length	4 ft. (1.22 m)
Supplied Tip	PTA7
Supplied Stand	PH1201ESD



Weller®

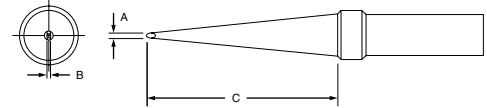
TIPS

**PT SERIES TIPS FOR TC201T SOLDERING PENCIL
TINNED WITH LEAD FREE SOLDER**



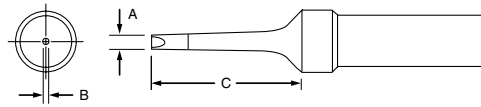
SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTH6	PTH7	PTH8	0.031	0.79	0.019	0.48	0.62	15.87
PTA6	PTA7*	PTA8*	0.062	1.57	0.032	0.81	0.62	15.87
--	PTB7*	PTB8*	0.093	2.38	0.020	0.51	0.62	15.87
--	PTC7*	PTC8*	0.125	3.17	0.027	0.69	0.62	15.87
--	PTD7	PTD8*	0.187	4.74	0.035	0.89	0.62	15.87
--	--	PTE8	0.234	5.95	0.042	1.07	0.62	15.87



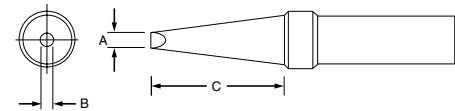
LONG SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTJ7	PTJ8	0.031	0.79	0.012	0.30	1.00	25.40
--	PTK7*	PTK8	0.046	1.19	0.026	0.66	1.00	25.40
--	PTL7	PTL8	0.078	1.98	0.027	0.69	1.00	25.40
--	PTM7	PTM8	0.125	3.17	0.037	0.94	1.00	25.40



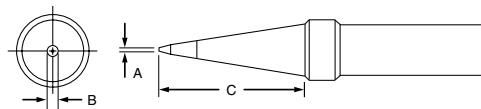
NARROW SCREWDRIVER

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTR6	PTR7	PTR8	0.062	1.58	0.044	1.12	0.62	15.87



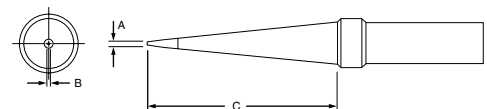
SINGLE FLAT

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTAA7	PTAA8	0.062	1.57	0.040	1.42	0.62	15.87
--	PTBB7	PTBB8	0.093	2.38	0.032	0.81	0.62	15.87
--	PTCC7	PTCC8	0.125	3.17	0.032	0.81	0.62	15.87
--	PTDD7	PTDD8	0.187	4.74	0.032	0.81	0.62	15.87



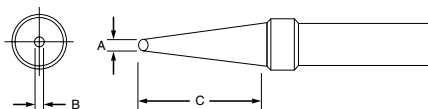
CONICAL

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
PTP6	PTP7*	PTP8*	0.031	0.79	0.012	0.30	0.62	15.87



LONG CONICAL

Catalog Numbers			A		B		C		
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM	
--	PTS7	PTS8	0.015	0.39	--	--	1.00	25.40	
--	PTO6	PTO7*	PTO8*	0.031	0.79	0.044	1.12	1.00	25.40



CONICAL FLAT

Catalog Numbers			A		B		C	
600°	700°	800°	IN.	MM	IN.	MM	IN.	MM
--	PTF7	PTF8	0.047	1.19	0.033	0.84	0.62	15.87

* Indicates available bulk (100 multiples only)

WDD81X

DIGITAL SHOP AIR DESOLDERING STATION

DESOLDERING STATIONS

THE WELLER ADVANTAGE:

With 80 watts of power, this shop air system handles even the heaviest ground planes and multi-layer boards quickly, reducing the risk of component damage.



FEATURES AND BENEFITS:

- Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging
- Digital process control allows exact temperature set for added control
- Optional WCB1 control module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion
- DXV80 pencil uses DX series desoldering tiptlets found on page 22

Components and Specifications:

Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	95 W
Temperature Range	150° F - 850° F (50° C - 450° C)
Dimensions	7.1 x 4.51 x 4 in. (180 x 115 x 101 mm)
Pump Type	Compressed air converter
Vacuum Pressure	21 in. HG (0.8 Bar)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

DXV80 Pencil (Order No. 0051318099)

Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Tiptlet	DX112
Solder Collection Tubes	0058741815
Supplied Stand	AKV80 (Order No. 0051503999)



The new patented threadless DX desoldering tiptlets will not seize to the heater.



Weller®

WRS1002X

DIGITAL SELF CONTAINED DESOLDERING STATION

THE WELLER ADVANTAGE:

With 80 watts of power, this self-contained system handles even the heaviest ground planes and multi-layer boards quickly, reducing the risk of component damage.



NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

FEATURES AND BENEFITS:

- Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging
- Digital process control allows exact temperature set for added control
- Optional WCB1 programming module provides temperature lock-out for process control, temperature set-back for extended tip life, and ° F to ° C conversion
- DXV80 pencil uses DX series desoldering triplets found on page 23

Components and Specifications:

Power Unit

Voltage	120 V (input); 24 V (output)
Power Consumption	175 W
Temperature Range	150° F - 850° F (50° C - 450° C)
Dimensions	9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type	Rotary Vane
Air Flow Volume	1 l/min. - 10 l/min.
Temperature Accuracy	+/- 50° F (+/-30° C)
Temperature Stability	+/- 10° F (+/-6° C)
ESD Safe	Yes

DXV80 Desoldering Pencil (Order No. 0051318099)

Power Consumption	80 W
Heating Element Type	Nichrome Wound
Cord Length	4 ft. (1.22 m)
Supplied Triplet	DX112
Solder Collection Chamber	0058741815
Supplied Stand	AKV80 (Order No. 0051503999)



The new patented threadless DX desoldering triplets will not seize to the heater.

WRS3000VX

DESOLDERING
STATIONS

SELF CONTAINED SOLDER / DESOLDER STATION

THE WELLER ADVANTAGE:

Soldering and desoldering pencils, each with 80 watts of power, make this the perfect station for demanding work on heavy ground planes and multi-layer boards.



NEW Disposable solder trap on the DXV80 makes cleanout quick and easy

FEATURES AND BENEFITS:

- Vacuum delay feature allows solder to reach the collection chamber before vacuum is shut off to avoid clogging
- Microprocessor with digital read-out for complete accuracy and reliability
- Higher power means less time spent on the PCB, reducing risk of component damage
- Temperature set-back can be programmed from 5 to 60 minutes
- WSP80 pencil uses LT series tips found on page 5
- DXV80 pencil uses DX series desoldering tiplests found on page 22

Components and Specifications:

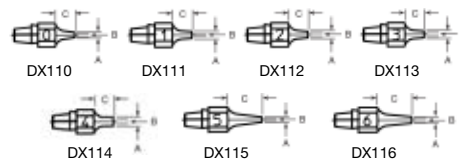
WRS3000
Voltage 120 V (input); 24 V (output)
Power Consumption 300 W
Temperature Range 150° F - 850° F (50° C - 450° C)
Dimensions 9.5 x 10.6 x 4.1 in. (241 x 269 x 104 mm)
Pump Type Rotary Vane
Vacuum Pressure 20.7" (526 mm) HG
Air Flow Volume 1 l/min. - 10 l/min.
Temperature Accuracy +/- 16° F (+/-10° C)
Temperature Stability +/- 10° F (+/-6° C)
ESD Safe Yes

Power Unit (Order No. 0053302299)

DXV80 Desoldering Pencil (Order No. 0051318099)
Power Consumption 80 W
Heating Element Type Nichrome Wound
Cord Length 4 ft. (1.22 m)
Standard Tiplest DX112
Solder Collection Chamber 0058741815
Supplied Stand AKV80 (Order No. 0051503999)

TIPS

DX SERIES TIPLESTS FOR DS80 AND DSV80



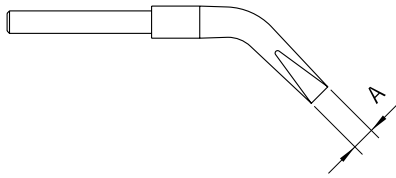
Cat No.	Order No.	A (O.D.)		B (I.D.)		C	
		IN.	MM	IN.	MM	IN.	MM
DX110	0051314099	0.075	1.90	0.028	0.70	0.325	18.00
DX111	0051314199	0.098	2.50	0.028	0.70	0.325	18.00
DX112	0051314299	0.091	2.30	0.039	1.00	0.325	18.00
DX113	0051314399	0.098	2.50	0.047	1.20	0.325	18.00
DX114	0051314499	0.130	3.30	0.071	1.80	0.325	18.00
DX115	0051314599	0.075	1.90	0.028	0.70	0.325	18.00
DX116	0051314699	0.106	2.70	0.047	1.20	1.142	29.00

WSP80 Pencil

Power Consumption 80 W
Heating Element Type Silver Spool
Cord Length 4 ft. (1.22 m)
Supplied Tip LTB
Supplied Stand WPH81

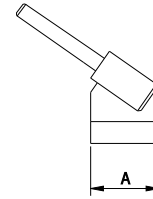
TIPS

**WTA SERIES TIPPLETS FOR WTA50 THERMAL TWEEZERS
TINNED WITH LEAD FREE SOLDER**



THERMAL TWEEZERS TIPS

Cat No.	Order No.	A	
		IN.	MM
WTA1	0054414199	0.039	1.00
WTA2	0054414699	0.118	3.00
WTA3	0054414799	0.236	6.00

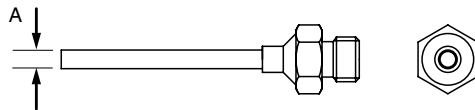


THERMAL TWEEZERS TIPS

Cat No.	Order No.	A	
		IN.	MM
WTA4	0054414399	0.492	12.50
WTA5	0054414499	0.728	18.50

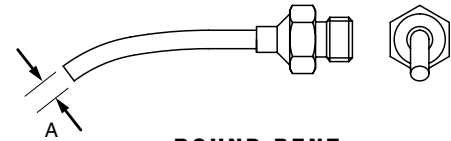
NOZZLES

NOZZLES FOR HAP1 SMALL HOT AIR PENCIL



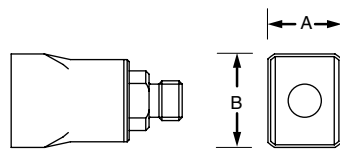
ROUND

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727823	0.031	0.80	--	--
0058727821	0.047	1.20	--	--
0058727787	0.098	2.50	--	--
0058727822	0.118	3.00	--	--



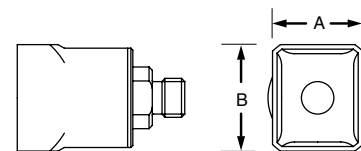
ROUND BENT

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727786	0.079	2.00	--	--



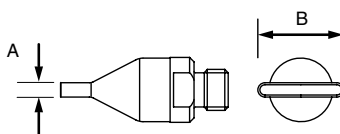
2-SIDES HEATED

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727782	0.394	10.00	0.512	13.00
0058727781	0.394	10.00	0.591	15.00
0058727784	0.394	10.00	0.709	18.00
0058727779	0.413	10.50	0.413	10.50



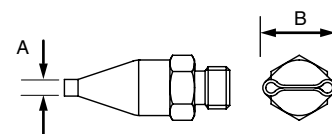
4-SIDES HEATED

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727777	0.236	6.00	0.256	6.50
0058727778	0.236	6.00	0.354	9.00
0058727780	0.394	10.00	0.591	15.00
0058727783	0.492	12.50	0.591	15.00
0058727785	0.709	18.00	0.709	18.00



FLAT

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727774	0.059	1.50	0.315	8.00
0058727773	0.059	1.50	0.394	10.00
0058727772	0.059	1.50	0.472	12.00



DUAL

Cat No.	A		B	
	IN.	MM	IN.	MM
0058727775	0.059	1.50	0.315	8.00
0058727776	0.059	1.50	0.394	10.00

Weller Hot Air Technology

THE WELLER ADVANTAGE:

Whether you are replacing SMDs or other types of components, such as SMT bases, QFPs, PLCC devices, or PGAs, Weller provides you with a solution to your most difficult rework challenges.

With the WHA3000 Series Systems, you have the latest in versatile, effective, and repeatable non-destructive desoldering technology.

WHA3000PS

WHA3000P

WHA3000V

WHA300

WHA3000PS

DIGITAL 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.



WBH3000S

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, and swings it out of the way for access to the circuit board



WHA3000P

700-watt hot air station features patented Weller nozzle technology for maximum process control and user friendly operation, plus a powerful variable speed-controlled turbine for an air volume of up to 50 liters/min

WHA3000PS Components & Specifications:

WHA3000P

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

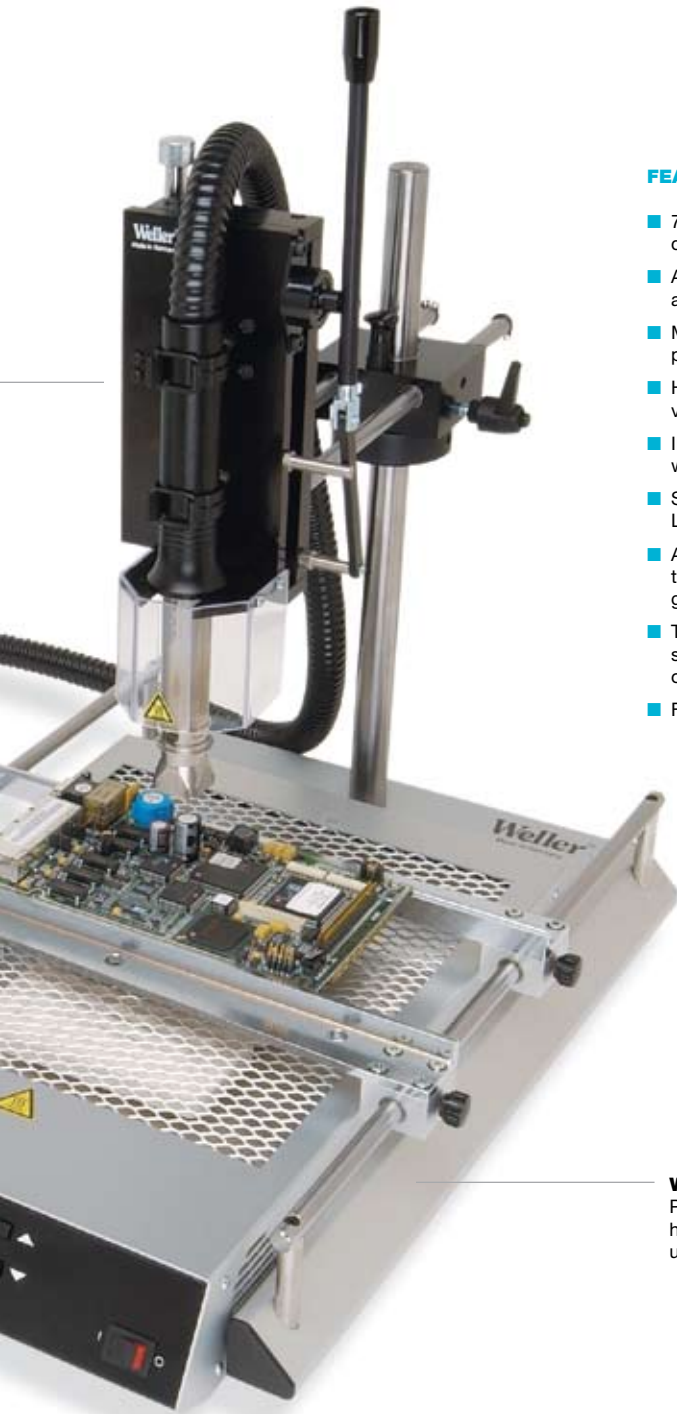
Power Unit

120 V (input); 24 V (output)
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.
+/- 77° F (+/- 25° C)
Yes

WBH3000S Circuit Board Holder with Pivoting Holder
(See Page 28 of this catalog for specifications)

WHP3000 Heating Plate
(See Page 28 of this catalog for specifications)





FEATURES AND BENEFITS:

- 700 watts of power allow work on larger dual in line and quad pack components
- An ion trap assures that only ESD safe hot air is directed at the component
- Memory space to store up to 10 thermal profiles ensures process repeatability
- Holds circuit boards up to 310 mm x 320 mm for outstanding versatility
- IR heating plate has a total heated area of 120 mm x 190 mm with 3 ceramic elements for controlled, even heat.
- Set and actual temperatures are digitally displayed on the LCD panel for added control of process
- An external sensor can be connected to display actual temperatures at specific areas of the circuit under repair to further guard against damage to sensitive components
- The hot plate can be controlled from its own internal control system or integrated into the control system of the WHA3000P or WHA3000V
- For full range of hot air nozzles, see page 33

WHP3000

Positioned beneath the WBH3000S circuit board holder, this IR heating plate preheats circuit board under repair to reduce possibility of thermal damage.



Weller®

WHA3000PS

COMPONENTS AND ACCESSORIES



WBH3000S

CIRCUIT BOARD HOLDER WITH SWING-AWAY TOOL HOLDER

- 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 tool precisely onto the component
- Smooth-acting lever raises and lowers the HAP3 hot air pencil 1.4 in. (35 mm) along the Z axis
- Swing-away "Stop and Go" feature automatically switches hot air pencil to "standby" mode when holder is pivoted to the side, reducing temperature and air flow

WBH3000 CIRCUIT BOARD HOLDER (not shown)

Same as WBH3000S, but without tool holder

WHP3000

INFRARED HEATING PLATE

- Reduces risk of thermal damage by providing controlled, even heat
- Set and actual 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 WBH3000S or WBH3000 circuit board holders
- Can be controlled independently, or can be integrated into the control system of either the WHA3000P or the WHA3000V



Components & Specifications

WBH3000S

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

WBH3000

Dimensions 12.6 x 17.6 x 3.9 in. (320 x 446 x 100 mm)

WHP3000

Voltage 120 V
Power Consumption 200 W (small heating zone); 600 W (large heating zone)
Temperature Range 150° F – 750° F (50° C – 400° C)
Dimensions 10.0 x 15.6 x 2.8 in. (254 x 395 x 70 mm)
ESD Safe Yes

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.)



WHA3000P

DIGITAL HOT AIR STATION

HOT AIR STATIONS

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.



"Stop and Go" tool holder automatically switches hot air pencil to "standby" mode, reducing air flow but maintaining operating temperature

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 components
- Set and actual temperatures are digitally displayed on the LCD panel for added process control
- 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
- Hot air pencil accepts wide range of patented technology nozzles for maximum versatility, see page 33

WHA3000V

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



WHA3000P Components & Specifications

Power Unit	
Voltage	120 V
Power Consumption	700 W
Temperature Range	150° F – 999° F (50° C – 550° C)
Dimensions	9.5 x 10.6 x 6.7 in. (240 x 270 x 170 mm)
Pump Type	Maintenance Free, Rotary Vane
Vacuum Pressure	- 0.6 Bar
Air Flow Volume	5 l/min. – 50 l/min.
Temperature Accuracy	+/- 77° F (+/- 25° C)
ESD Safe	Yes

Accessories for WHA3000P and WHA3000V

0058736780	Manual control panel
0051504999	Nozzle change tool
0058754951	0.25 mm Type K external sensor
0053119099	0.50 mm Type K external sensor
0051504899	Stand for hot air nozzles



WHA900

SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

The WHA900 has a sensor located at the nozzle that continuously samples the temperature and instantly adjusts the heat output to maintain the temperature you've pre-selected. So you don't have to readjust the temperature every time you change the airflow rate. Set it once and forget it. So your rework production increases and your reject rate goes down.



FEATURES AND BENEFITS:

- Temperature and air flow setback can be pre-selected by the user
- Sensor at the nozzle continuously adjusts heat output
- Hot air hand piece uses nozzles found on page 33

Nozzle not included

WHA900 Components and Specifications:

Power Unit	
Voltage	120 V (input); 120 V (output)
Power Consumption	750 W
Temperature Range	150° F – 1000° F or 50° C – 550° C
Dimensions	8.125 x 6.625 x 4.25 in. (206 x 168 x 108 mm)
Pump Type	Turbine
Air Flow Volume	5 l/min. – 50 l/min.
Temperature Accuracy	+/- 86° F (+/- 55° C)
ESD Safe	Yes
Closed-loop temperature control	Yes



Patented Weller nozzle technology safely removes QFPs, PGAs, and SMT bases.

WRS1002

HOT AIR STATIONS

DIGITAL SELF CONTAINED HOT AIR REWORK STATION

THE WELLER ADVANTAGE:

Digital microprocessor control and an internal air source give this 100-watt single channel hot air station amazing performance and versatility.



FEATURES AND BENEFITS:

- 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 nozzles found on page 24

WRS1002 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
Dimensions	4.5 x 5.9 x 3.6 in. (114 x 150 x 91 mm)
Air Flow Volume	1 l/min. – 6 l/min.
Temperature Accuracy	+/- 50° F (+/- 30° C)
ESD Safe	Yes

HAP1 Pencil

Power Consumption	100 W
Heating Element Type	Nichrome wound; fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD Safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60



Digital display shows set and actual temperatures

Weller®

WAD101

DIGITAL SHOP 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.

Analog dial for manual control of hot air flow

Digital display shows set and actual temperatures



FEATURES AND BENEFITS:

- 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 nozzles found on page 24

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
Dimensions	4.5 x 5.9 x 3.6 in. (114 x 150 x 91 mm)
Air Flow Volume	1 l/min. – 6 l/min.
Temperature Accuracy	+/- 50° F (+/- 30° C)
ESD Safe	Yes

HAP1 Pencil

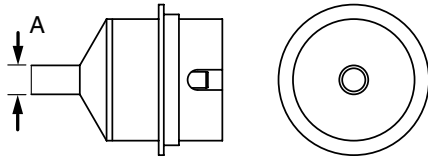
Power Consumption	100 W
Heating Element Type	Nichrome wound; fiberglass and ceramic insulated
Cord Length	4 ft. (1.22 m)
ESD Safe	Yes
Supplied Nozzle	0058727821
Supplied Stand	PH60



NOZZLES

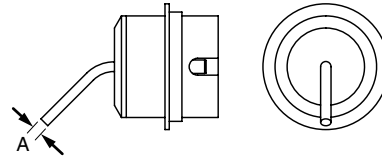
FOR WHA900 AND WHA3000P

HOT AIR STATIONS



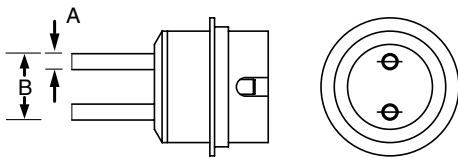
ROUND (NO VACUUM)

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736881	0.098	2.50	--	--
0058736867	0.157	4.00	--	--
0058736870	0.276	7.00	--	--
0058736836Δ	0.453	11.50	--	--



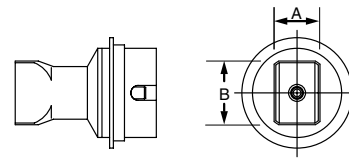
ROUND BENT (NO VACUUM)

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736882	0.059	1.50	--	--



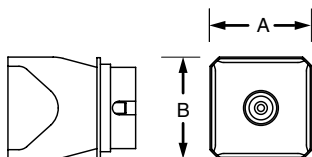
ROUND DUAL (NO VACUUM)

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736883	0.098	2.50	0.374	9.50



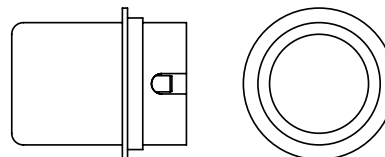
2-SIDES HEATED

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736840	0.583	4.80	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
0058736876Δ	0.472	12.00	1.063	27.00
0058736857Δ	1.496	38.00	1.496	38.00
0058736873Δ	1.575	40.00	1.575	40.00



4-SIDES HEATED

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736839	0.433	11.00	0.433	11.00
0058736818	0.583	14.80	0.583	14.80
0058736814	0.709	18.00	0.709	18.00
0058736807	0.807	20.50	0.807	20.50
0058736804	1.024	26.00	1.024	26.00
0058736833	1.260	32.00	1.260	32.00
0058736891	1.417	36.00	1.417	36.00
0058736890Δ	1.693	43.00	1.693	43.00
0058736838	0.394	10.00	0.571	14.50
0058736880Δ	0.472	12.00	0.945	24.00
0058736837	0.512	13.00	0.610	15.50
0058736892Δ	0.551	14.00	1.063	27.00
0058750721	0.669	17.00	0.925	23.50
0058736877Δ	0.669	17.00	1.142	29.00
0058736998Δ	0.906	23.00	1.398	35.50
0058736999Δ	1.201	30.50	1.909	48.50
0058736858Δ	1.260	32.00	1.732	44.00
0058750709Δ	1.496	38.00	1.909	48.50
0058750714Δ	1.496	38.00	2.402	61.00



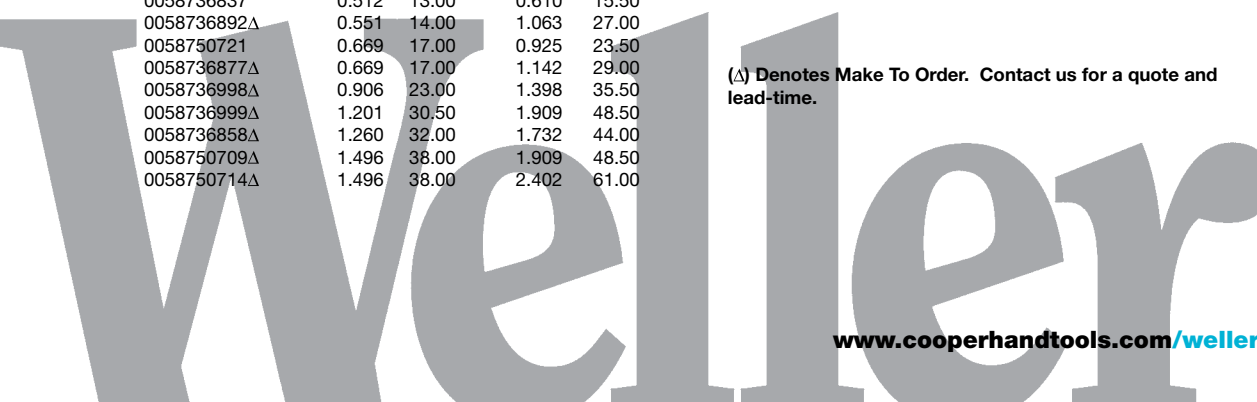
ROUND DUAL (NO VACUUM)

Cat No.	A		B	
	IN.	MM	IN.	MM
0058736883	--	--	--	--

CSF REPLACEMENT RUBBER INSERTS

Cat. No.	Description
W58713798	Small, 3 mm
W58713799	Large, 6 mm

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



WFE2P

TWO OPERATOR FUME EXTRACTOR

THE WELLER ADVANTAGE:

Quiet and efficient, this self-contained fume extraction unit handles up to two Weller fume extraction irons / stations, removing 99.9% of fumes at their source.



Maintenance-free pump for extended continuous operation

Efficient four-stage filter station is easily replaceable

FEATURES AND BENEFITS:

- Self-contained bench-top unit – no external air source required
- Compact size for portability and small footprint
- For use with Weller FE series fume extraction soldering irons
- OSHA Compliant

WFE2P Components and Specifications:

WFE2P Self-Contained Fume Extractor (Order No. 0053623299)

Voltage	120 V
Operator Capacity	1 - 2 Weller FE series irons
OSHA Compliant	Yes
UL and cUL Listed	Yes
Weight	10 lb. 12 oz. (4.9 kg)
Dimensions	5.5 in. diameter x 11.375 in. (140 x 289 mm)
Noise Level	40 db

FE75

INTEGRAL FUME EXTRACTION IRON / 80 WATTS

- Fume extraction soldering pencil, 80 watts
- Compatible with any WRS rework system, WSL and WSD81 soldering stations
- Includes a 5 mm cylinder brush and a funnel for support when not in use
- Uses LT series tips found on page 5
- Order No. 0052916699
- Support stand AK20 (Order No. 0051503099)



0052916799

FUME EXTRACTION ADAPTER

- Fume extraction adapter for WSP80 soldering pencil
- Converts WSP80 soldering pencil into a fume extraction pencil



AKFE11

FUME EXTRACTION ADAPTER KIT

- Fume extraction adapter kit for W100PG, WP25, WP30, WP35, W60P, TC201T irons
- For use with Weller® Fumex® system
- Complete with plastic ESD tubing
- Detailed operating instructions included



ECMFE

FUME EXTRACTION ADAPTER

- Fume extraction adapter for EC1302 and EC1503 soldering pencils



0058751818

FUME EXTRACTION ADAPTER

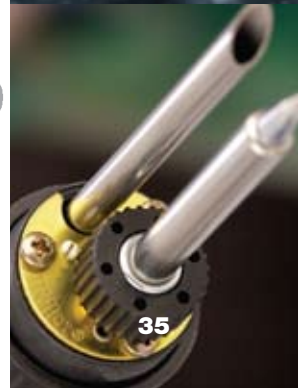
- Fume extraction adapter for WMRP soldering pencil



0052918299

FUME EXTRACTION ADAPTER

- Fume extraction adapter for WP80 soldering pencil



Weller®

PROFESSIONAL

SOLDERING IRONS / 25 WATT / 30 WATT / 35 WATT

- Ideal for a wide variety of electronic tasks
- Uses ST series long life double-coated iron-plated tips- ST3 included-see page 37
- Quick change knurled collar, stainless steel barrel
- Cushion grip handle and plug-in heating element
- 6' 3-wire cord, iron is 7 7/8" long
- UL and cUL listed (120 VAC units only)



WP25

Catalog Number

WP25
WP30
WP35

Description

25 watts, 120 V, 750° F Professional soldering iron, 3-wire cord
30 watts, 120 V, 800° F Professional soldering iron, 3-wire cord
35 watts, 120 V, 850° F Professional soldering iron, 3-wire cord

CONTROLLED OUTPUT

SOLDERING IRONS / 60 WATT / 100 WATT

- Uses Weller "closed loop" method of controlling maximum tip temperature
- Portable line voltage iron - no base station required
- Stainless steel modular plug-in heater, greater efficiency and versatility
- Temperature is controlled by tip (600° F, 700° F, and 800° F tips)
- Nominal heat-up time with 700° F tip is 110 seconds
- Uses CT series tips found on page 37
- Heating element type: Nichrome wound, plug in
- UL and cUL listed
- Fume extraction adapter kit available- Cat. No. AKFE11



W60P



W100PG

Catalog Number

W60P
W60P3
W100PG
W100P3

Description

60 watts, 120 V, 700° F 2-wire soldering iron with CT5A7 tip
60 watts, 120 V, 700° F 3-wire soldering iron with CT5A7 tip
100 watts, 120 V, 700° F heavy duty 2-wire soldering iron with CT6F7 tip
100 watts, 120 V, 700° F heavy duty 3-wire soldering iron with CT6F7 tip

TCP12P

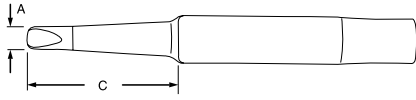
CONTROLLED-OUTPUT FIELD SOLDERING IRON

- Versatile controlled tool for field servicing
- Operates from 12 volt batteries or low voltage power source
- Complete with battery clips and 12' fused cord
- Soldering iron comes with PTA7 tip, creates 700° F temperature
- UL and cUL listed



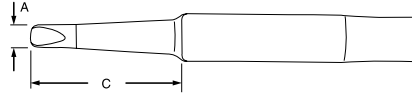
TIPS

**ST SERIES TIPS FOR WP25 / WP30 / WP35 IRONS
TINNED WITH LEAD FREE SOLDER**



SCREWDRIVER

Cat No.	A		C	
	IN.	MM	IN.	MM
ST1	0.062	1.58	0.75	19.05
ST2	0.093	2.38	0.75	19.05
ST3	0.125	3.17	0.75	19.05
ST4	0.187	4.74	0.75	19.05
ST6	0.031	0.79	0.75	19.05
ST8	0.062	1.58	0.75	19.05



SINGLE FLAT

Cat No.	A		C	
	IN.	MM	IN.	MM
ST5	0.031	0.79	0.75	19.05

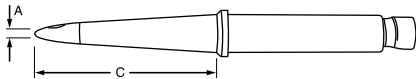


CONICAL

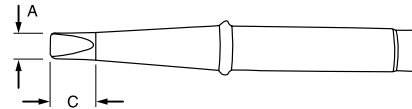
Cat No.	A		C	
	IN.	MM	IN.	MM
ST7	0.031	0.79	0.75	19.05

TIPS

**CT SERIES TIPS FOR W60P AND W100P IRONS
TINNED WITH LEAD FREE SOLDER**



CT5 SERIES SCREWDRIVER



CT6 SERIES SCREWDRIVER

600° F Cat. No.	700° F Cat. No.	800° F Cat. No.	900° F Cat. No.	FITS IRON	A		C	
					IN.	MM	IN.	MM
-	CT5A7	CT5A8	-	W60P	0.062	1.58	1.15	29.36
-	-	CT5B8	-	W60P	0.093	2.38	1.15	29.36
-	CT5C7	CT5C8	-	W60P	0.125	3.17	1.15	29.36
-	CT5D7	CT5D8	-	W60P	0.187	4.74	1.15	29.36
-	CT5E7	CT5E8	-	W60P	0.250	6.35	1.15	29.36
CT6C6	CT6C7	CT6C8	-	W100P	0.125	3.17	1.37	34.92
CT6D6	CT6D7	CT6D8	-	W100P	0.187	4.74	1.37	34.92
CT6E6	CT6E7	CT6E8	-	W100P	0.250	6.35	1.37	34.92
CT6F6	CT6F7	CT6F8	CT6F9	W100P	0.375	9.52	1.37	34.92
-	CT6G7	-	-	W100P	-	-	1.37	34.92



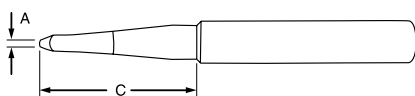
WM120

THIN SOLDERING IRON / 12 WATT

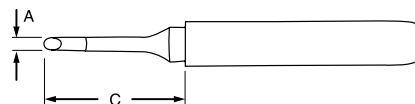


- Lightweight, pencil thin soldering iron with stay-cool handle
- Designed for soldering miniature components
- Develops tip temperature of 800° F
- 3-wire grounded plug
- Uses Weller MP series auto slide-in tips
- UL listed

TIPS TINNED WITH LEAD FREE SOLDER



CONICAL



SINGLE FLAT

Cat No.	A		C	
	IN.	MM	IN.	MM
MP131	0.015	0.39	0.43	11.09

Cat No.	A		C	
	IN.	MM	IN.	MM
MP133	0.031	0.79	0.43	11.09

STANDARD SERIES

MODULAR SOLDERING IRONS

- Modular soldering irons utilize interchangeable handles, heaters and tips
- 3-wire grounded
- Uses 9800 or 8800 iron holder
- UL and cUL listed



SL325

Catalog Number

SL325
SL335
SL345
SL500

Description

Modular soldering iron with 7400 handle, 537S heater, PL111 tip
Modular soldering iron with 7400 handle, 1237S heater, PL113 tip
Modular soldering iron with 7400 handle, 4037S heater, PL133 tip
Modular soldering iron with 7760 handle, 37UG heater, PL133 tip

HANDLES

STANDARD SERIES MODULAR SOLDERING IRON HANDLES

- Modular soldering irons utilize interchangeable handles
- Interchangeable heaters and tips for custom applications, maintenance
- Iron has 5' cord
- Feature cool, "soft touch", acid and flux resistant grips
- Uses 8800 iron holder
- UL and cUL listed
- 7400 and 7500 handle for SL325, SL335, and SL345 are 3-wire grounded
- 7770 handle (blue) is 2-wire ungrounded



7400

Catalog Number

7400
7500
7770
7760

Description

Standard Series modular iron handle, 3-wire standard cord
Standard Series modular iron handle, 3-wire burn resistant cord
Standard Series modular iron handle (Blue), 2-wire standard cord
Standard Series modular iron handle (Red), 2-wire standard cord

MODULAR HEATERS

WITH INTEGRAL TIP

- Used with Standard Series modular irons
SL325, SL335, SL345 and SL500 and Standard
Series Handles 7400, 7500, 7760, and 7770



Catalog Number	Description
33	Modular heater with long chisel tip, 50 watt, 1100° F
533S	Modular heater with long chisel tip, 23 watt, 800° F
1233S	Modular heater with integral long chisel tip, 33 watt, 900° F
1236S	Modular heater with pyramid tip, 33 watt, 900° F
4033S	Modular heater with long chisel tip, 45 watt, 1000° F
4039S	Modular heater with short chisel tip, 45 watt, 1100° F

MODULAR HEATERS

FOR THREAD-IN AND THREAD-ON TIPS

- Used with Standard Series modular irons
SL325, SL335, SL345 and SL500 and Standard
Series Handles 7400, 7500, 7760, and 7770

THREAD-IN TIPS

Catalog Number	Description
535S	Modular heater thread-in tip, 23 watt, 700° F
1235S	Modular heater thread-in tip, 33 watt, 800° F
535S	Modular heater thread-in tip, 45 watt, 900° F



THREAD-ON TIPS

Catalog Number	Description
37UG	Modular heater uses thread-on tip, 50 watt, 1000° F
537S	Modular heater thread-on tip, 23 watt, 700° F
1237S	Modular heater thread-on tip, 33 watt, 800° F
4037S	Modular heater thread-on tip, 45 watt, 900° F

HANDLES

DOUBLE INSULATED MODULAR SOLDERING IRON HANDLE

- Bio-mechanical handle design
- Has flexible heat-resistant, double insulated 2-wire cord set
- Soft touch cool, molded grip for operator comfort and control
- Twice the dielectric values of standard UL requirements



5550

MODULAR HEATERS

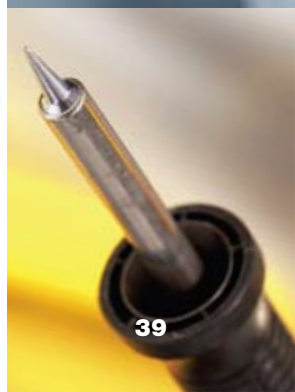
FOR DOUBLE INSULATED HANDLE

- Used with DI (double insulated) series
5550 two-wire handle



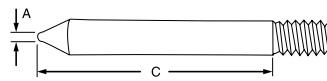
Catalog Number	Description
360	Modular heater uses thread-on tip, 27 watt, 700° F
361	Modular heater uses thread-on tip, 35 watt, 800° F
362	Modular heater uses thread-on tip, 45 watt, 900° F
363	Modular heater uses integral chisel-on tip, 45 watt, 1000° F

Weller®



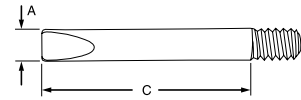
TIPS

**PL SERIES THREAD-IN STYLE TIPS FOR MODULAR HEATERS
TINNED WITH LEAD FREE SOLDER**



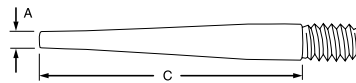
PENCIL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
100UG	Adapter	--	--	--	--
PL331	Plated	0.01	0.25	0.85	21.59
331	Bare Copper	0.01	0.25	0.85	21.59
7154	Plated	--	--	0.85	21.59
6960	Plated	0.01	0.25	0.42	10.66



CHISEL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL333	Plated	0.13	3.30	0.85	21.59
333	Bare Copper	0.12	3.04	0.85	21.59
7155	Plated	0.06	1.52	0.84	21.33

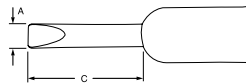


TAPERED NEEDLE

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL338	Plated	0.05	1.27	0.94	23.87

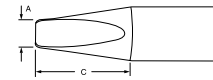
TIPS

**PL SERIES THREAD-ON STYLE TIPS FOR MODULAR HEATERS
TINNED WITH LEAD FREE SOLDER**



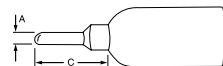
CHISEL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL113	Plated	0.13	3.30	0.66	16.76
PL153	Plated	0.20	5.08	0.56	14.22
PL350	Plated	0.40	10.14	--	--
113	Bare Copper	0.12	3.04	0.66	16.76



LONG TAPER CHISEL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL133	Plated	0.20	5.08	0.56	14.22



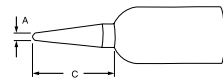
MICRO SPADE

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL114	Plated	0.05	1.27	0.41	10.41



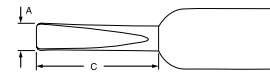
PENCIL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL111	Plated	0.03	0.76	0.66	16.76
PL153	Bare Copper	0.02	0.50	0.66	16.76



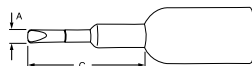
PRECISION

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL100	Plated	0.05	1.27	0.45	11.43



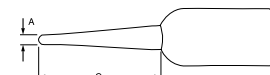
SCREWDRIVER

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL151	Plated	0.13	3.30	0.66	16.76



STEPPED CHISEL

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL155	Plated	0.07	1.77	0.66	16.76



TAPERED NEEDLE

Cat No.	Type	A		C	
		IN.	MM	IN.	MM
PL138	Plated	0.05	1.27	0.66	16.76

PORTASOL® C1C

CORDLESS BUTANE SOLDERING IRON AND KIT

- Catalytic converter provides a powerful yet safe flameless combustion
- Gas capacity allows up to 30 minutes continuous use
- Refills with butane fuel - Weller® cat. no. WB1 or WB2
- Safety cut-off switch when cap replaced
- Sturdy plastic cap fits neatly on back of tool during use
- C12 soldering tip included

C1CKC KIT

Complete kit contains; C1C iron with C12 tip, C13 and C14 tips, sponge, case



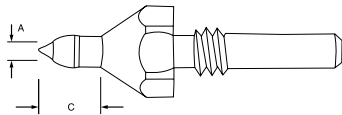
C1C



C1CKC

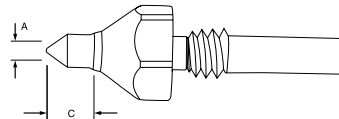
C SERIES TIPS FOR C1C AND C1CKC SOLDERING TOOLS

CHISEL



Cat No.	A		C	
	IN.	MM	IN.	MM
C12	0.120	3.17	1.705	43.31

FINE



Cat No.	A		C	
	IN.	MM	IN.	MM
C13	0.120	3.17	1.705	43.31

PORTASOL® P2C

SELF-IGNITING CORDLESS BUTANE SOLDERING IRON AND KIT

- A lightweight, compact cordless butane soldering and hot air tool
- Piezo ignition with push-button ease & convenience, 25 watts to 75 watts
- Fast heat-up for high productivity, melts solder in less than 40 seconds
- Gas capacity allows up to 1 hour of continuous use
- Refills in less than 20 seconds so you can stay on the job
- Automatic cut-off switch when cap replaced for safety
- Can be used as a mini-torch with flame tip

Portasol® is a registered trademark of Olgesby and Butler Limited

P2KC KIT

Complete Iron and Hot Air Tool kit contains; P2C iron with soldering tip, mini blow torch tip, hot knife tip, hot air tip and deflector, sponge and tray, storage case with tool holder, and instructions



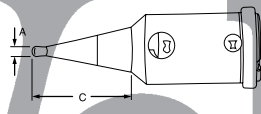
P2C



P2KC

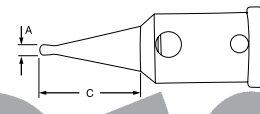
PPT SERIES TIPS FOR P2C AND P2KC SOLDERING TOOLS

SINGLE FLAT



Cat No.	A		C	
	IN.	MM	IN.	MM
PPT1	0.031	0.79	0.460	11.68
PPT2	0.093	2.36	0.460	11.68

DOUBLE FLAT



Cat No.	A		C	
	IN.	MM	IN.	MM
PPT5	0.031	0.79	0.460	11.68
PPT6	0.093	2.36	0.460	11.68

CORDLESS
SOLDERING
IRONS

PORTASOL® PSI100C

SUPER-PRO SELF-IGNITING CORDLESS BUTANE SOLDERING IRON AND KIT

- Self-igniting portable butane heat tool - professional quality
- Ideal for service technicians
- For such uses as anti-static soldering, heat shrink and cutting rope
- Features "Auto Switch" safety shut-off, and iron plated tips
- Butane fuel level is visible through a window on the body of the tool
- Rugged stainless-steel body provides up to 125 watts of power
- Adjustable temperature up to 1,076° F
- Operates up to 2 hours per refill
- Refills with butane fuel - Weller® cat no. WB1 or WB2



PSI100C

Portasol® is a registered trademark of Olgesby and Butler Limited

PSI100K KIT

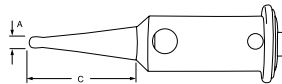
Complete kit contains: PSI100 iron with PSI1 tip, PSI3 tip, PSI9 tip, PSI10 tip, sponge, case



PSI100K

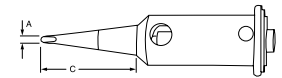
PSI SERIES TIPS FOR PSI100C AND PSI100K SOLDERING TOOLS

SINGLE FLAT



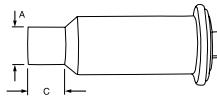
Cat No.	A		C	
	IN.	MM	IN.	MM
PSI1	0.031	0.79	0.640	16.26
PSI2	0.093	2.36	0.640	16.26
PSI3	0.125	3.18	0.640	16.26
PSI4	0.187	4.75	0.420	10.67

DOUBLE FLAT



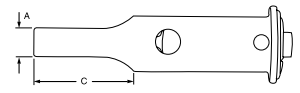
Cat No.	A		C	
	IN.	MM	IN.	MM
PSI5	0.031	0.79	0.680	12.27
PSI6	0.093	2.36	0.680	12.27
PSI7	0.125	3.18	0.680	12.27
PSI8	0.187	4.75	0.680	12.27

HOT AIR



Cat No.	A		C	
	IN.	MM	IN.	MM
PSI9	0.230	5.84	0.240	6.10

KNIFE



Cat No.	A		C	
	IN.	MM	IN.	MM
PSI10	0.195	4.95	1.485	37.62

PREMIUM BUTANE FUEL



- Premium quality butane fuel
- Compatible with Weller® Portasol® and Weller® Pyroper® tools
- Printed in English and Spanish with operating instructions on back of can

Catalog Number	Description
WB1	Premium butane fuel, 2.1 oz.
WB2	Premium butane fuel, 1.0 oz.

WPA2 PYROPEN® PROFESSIONAL SELF-IGNITING CORDLESS BUTANE SOLDERING IRON

- Ignites with the push of a button, ideal for field service jobs
- Lightweight and completely portable, ready to use in 30 seconds
- Sturdy metal tank holds enough butane gas for 3 hours of operation
- Temperature adjusts from 482° F to 932° F
- Refills with butane fuel - Weller® Cat. No. WB1 or WB2



HOT AIR TIPS

Cat No.	A		C	
	IN.	MM	IN.	MM
WHC51	0.17	4.27	0.24	6.10
WHC52	0.19	4.91	0.24	6.10

SPADE 35°

Cat No.	A		C	
	IN.	MM	IN.	MM
WPT8	0.08	2.00	0.65	16.51

CHISEL TIPS

Cat No.	A		C	
	IN.	MM	IN.	MM
WPT2	0.08	2.00	0.72	18.29
WPT11	0.32	8.00	0.55	14.00
WPT13	0.20	5.00	0.55	14.00

TAPER NEEDLE TIPS

Cat No.	A		C	
	IN.	MM	IN.	MM
WPT1	0.04	1.00	0.75	19.05
WPT5	0.04	1.00	0.72	18.29

WST2 PYROPEN® JUNIOR CORDLESS BUTANE SOLDERING IRON

- Lightweight mini iron
- Dual function soldering iron and brazing torch
- Soldering iron: 392° F - 842° F; Hot blow feature: 806° F maximum
- Torch feature: 2372° F maximum
- Includes soldering and hot air tips
- Refills with butane fuel - Weller® cat. no. WB1 or WB2



TAPER NEEDLE TIP

Cat No.	A		C	
	IN.	MM	IN.	MM
WPT15	0.02	0.51	0.55	14.00

HOT AIR TIP

Cat No.	A		C	
	IN.	MM	IN.	MM
WHC54	0.06	1.50	--	--

WSTA3 PROFESSIONAL CORDLESS BUTANE SOLDERING IRON

- Lightweight and completely portable
- Ready to use in 30 seconds
- Ideal for field service jobs
- Sturdy metal tank holds enough gas for three hours of operation
- Temperature adjusts from 392° F - 932° F
- Refills with butane lighter gas - Weller® cat. no. WB1 or WB2



NOTE: For tips used on this tool, please refer to the WPA2 tool at the top of this page.

WSTA6 JUNIOR CORDLESS BUTANE SOLDERING IRON

- Self-ignition finger switch - no sparklighter required
- Temperature control gives you adjustment equivalent to 15 to 60 watts
- Tank can hold enough gas for one hour of operation
- 30 second heat-up time
- Includes soldering and hot air tips
- Refills with butane lighter gas - Weller® cat. no. WB1 or WB2

TAPER NEEDLE TIP

Cat No.	A		C	
	IN.	MM	IN.	MM
WPT01	0.04	1.00	0.55	14.00



CORDLESS SOLDERING IRONS



Weller®

ML100

MAGNA-LITE MINI BUTANE TORCH

THE WELLER ADVANTAGE:

The first micro torch engineered for performance and durability.

FEATURES AND BENEFITS:

- Electronic trigger activates fast, reliable piezo ignition and LED work light
- Integrated bright blue LED illuminates when trigger is pressed; improved visibility in low light situations
- Spring loaded cap flips open the moment the trigger is pressed, providing additional wind protection. Cap snaps securely closed when not in use.
- Translucent body makes checking fuel level easy
- Adjustment dial lets user control flame height and level of heat output
- Convenient key chain lanyard
- Weighs just 1.3 ounces and is less than three inches long
- Generates a 2,400°F (1,300°C) flame that lasts up to 25 minutes on a single fuel charge
- Refills quickly with Weller® butane fuel – cat. no. WB1 or WB2
- Childproof safety trigger approved by the U.S. Consumer Product Safety Commission



ML200

MAGNA-LITE TABLE TOP BUTANE TORCH

THE WELLER ADVANTAGE:

A powerful performer in a compact package.

FEATURES AND BENEFITS:

- Electronic trigger activates fast, reliable piezo ignition
- Adjustable flame height
- Generates a 2,400°F (1,300°C) flame that lasts up to 60 minutes on a single fuel charge
- Refills quickly with Weller® butane fuel – cat. no. WB1 or WB2
- Childproof safety trigger approved by the U.S. Consumer Product Safety Commission



6966C

LIGHTWEIGHT HEAT GUN 250 WATTS / 120 VOLTS

THE WELLER ADVANTAGE:

Weighing in at less than a pound, this ESD safe heat gun is perfect for repetitive or continuous use in production plants, labs, and electronics service facilities.



FEATURES AND BENEFITS:

- Heavy duty heater and fan components for long service life
- Light weight for reduced operator fatigue
- Perfect for shrink tubing and vinyl/T.F.E., epoxy curing, drying, and cooling

6966C Components & Specifications

Weight	13 oz. (.368 kg)
Voltage	120 V
Power Consumption	250 W
Temperature Range	750° F - 800° F (399° C - 427° C)
	Approximate temperature at nozzle
ESD Safe	Yes
Cord Type	Three-wire grounded
Cord Length	6 ft. (1.8 m)
UL and cUL Listed	Yes

6966C ACCESSORIES



Catalog Number	Description
6956	Reflector (.50")
6957	Reflector (1.50")
6958	Reducing Baffle
6964	Precision Reflector, 0.20"
6965A	Heat Gun Wire Stand

Weller®



6970

HEAVY DUTY HEAT GUN / 750 WATTS

- Heavy-duty heat gun with long-life heater and motor
- Softening and forming plastic laminates
- Removing paints and finishes
- Heat shrinking cables and terminals
- Curing epoxy and loosening adhesives
- 3-wire grounded 6' power cord
- Dual temperature: 1000° F (750 W) and 700° F (350 W); 3-way switch (Hi - Off - Low)
- Lightweight, 28 oz.
- UL and cUL Listed



1095/6970 ACCESSORIES



1080



1082



6959



1085

Catalog Number

1080
1082
6959
1085

Description

Reducer for concentrating heat
Reflector for heat shrink tubing/caps
Adapter for 6966C baffles for use with 1095 Gun
Baffle kit containing Reducer, Reflector, Flame Spreader

1095

STANDARD DUTY HEAT GUN / 1000 WATTS

- Dual temperature, economical heat gun, ideal for most heat gun applications
- Applying heat shrinking products
- Curing epoxy and softening adhesives
- Drying, thawing frozen pipes
- Softening and molding plastics
- Heating liquids and stripping paint
- Dual temperature 1200° F (1000 W) and 790° F (400 W); 3-way switch (Hi - Off - Low)
- 3-wire grounded plug 6' power cord
- Lightweight, 22 oz. with cord
- UL and cUL Listed



**7805
SOLDER-OFF DESOLDERING BULB**

- Desoldering bulb with T.F.E. tip
- Facilitates accurate printed circuit repair and cleaning
- May be used with soldering iron



FLUX SOLVENT DISPENSERS



- Flux solvent dispenser, 0.020" needle
- Avoid spills and waste and place flux precisely where needed
- Squeeze bottle dispenses 1 drop of liquid through stainless steel needle
- Dispenses resin, flux, and oil solvent

Catalog Number	Description
FD2	Flux dispenser, 0.020" needle
FD21	Needle, 1" x 0.008"
FD21D	Flux dispenser, 0.008" needle, ESD Safe
FD21DN	Needle, 1" x 0.008", ESD Safe (10 Needles/pkg.)
FD22	Flux dispenser, 0.050" needle
FD2D	Flux dispenser, 0.020" needle, ESD Safe
FD22DN	Needle, 1" x 0.050", ESD Safe (10 Needles/pkg.)
FD3	Flux dispenser, Tri-Tip

SCRUB-IT™ SOLVENT DISPENSERS

- Distributes solvent through a nylon brush
- For cleaning printed circuit boards and other connections
- No mess, no waste
- Dispenser holds 2 oz.

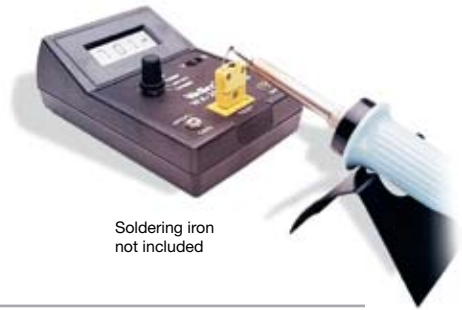
Catalog Number	Description
SD74	Scrub-it dispenser, nylon bristles
SD74H	Scrub-it dispenser, nylon bristles, ESD Safe



Weller®

**WA2000
SOLDERING IRON ANALYZER**

- Checks either temperature stability or absolute temperature
- Portable unit with long battery life
- Use contact pyrometer for monitoring stability
- Accurately measures iron resistance from tip to ground post on plug
- Tip to ground noise induced by iron: low level voltage measurable from working area of tip to ground



**CP01
20 GA. CONTACT PYROMETER**

- Plugs in to WA2000 analyzer
- Used to monitor temperature stability



**K111
TYPE K THERMOCOUPLE ASSEMBLY WITH ETA TIP**

- Connects soldering pencil to WA2000 analyzer
- Compatible with PES51 soldering pencil
- TINNED WITH LEAD FREE SOLDER



**K121
TYPE K THERMOCOUPLE ASSEMBLY WITH EPH107 TIP**

- Connects soldering pencil to WA2000 analyzer
- Compatible with EC1302A soldering pencil
- TINNED WITH LEAD FREE SOLDER



**K181
TYPE K THERMOCOUPLE ASSEMBLY WITH LTB TIP**

- Connects soldering pencil to WA2000 analyzer
- Compatible with WSP80 soldering pencil
- TINNED WITH LEAD FREE SOLDER



**K191
TYPE K THERMOCOUPLE ASSEMBLY WITH NTB TIP**

- Connects soldering pencil to WA2000 analyzer
- Compatible with WMP soldering pencil
- TINNED WITH LEAD FREE SOLDER



**K1101
TYPE K THERMOCOUPLE ASSEMBLY WITH RT4 TIP**

- Connects soldering pencil to WA2000 analyzer
- Compatible with WMRP soldering pencil
- TINNED WITH LEAD FREE SOLDER



MANUAL DESOLDERING PUMPS



7880 MANUAL DESOLDERING PUMP

- Powerful, heavy-duty, spring-loaded vacuum for complete solder removal
- Design includes cushioned plunger, easy thumb activation and ribbed pencil grip
- Heat resistant Teflon* tips
- Replacement tip: 7882BK

* Teflon is a Registered Trademark of DuPont



7881 MANUAL DESOLDERING PUMP

- Powerful, heavy-duty, spring-loaded vacuum for complete solder removal
- Design includes cushioned plunger, easy thumb activation and ribbed pencil grip
- Constructed of static-dissipative material with surface resistivity of 109 ohms/sq. for component protection
- Replacement tip: 7883



7874B MANUAL DESOLDERING PUMP

- One hand operation with spring-loaded piston provides ESD safe, solder removing vacuum
- Self-cleaning, non-clogging, static-free replaceable tip
- Replacement tip: 7875B

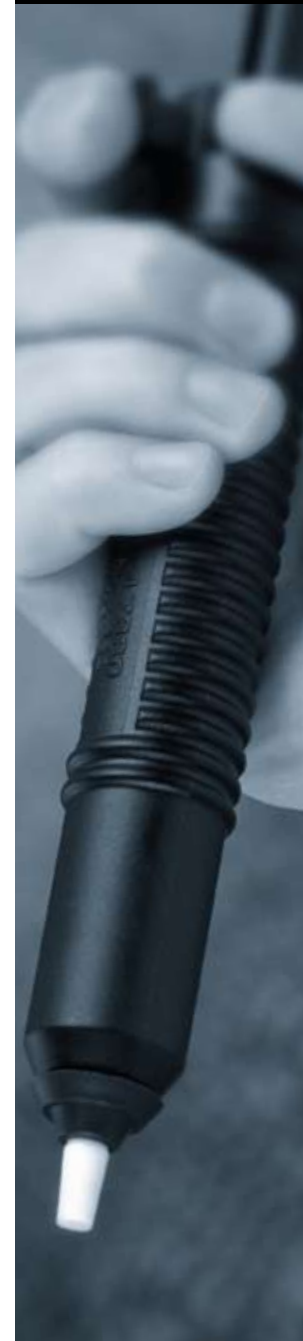
WCB1 SOLDERING STATION CONTROL MODULE

- Compatible with WMRS, WSD81, WSD161, WSL, and WSL2 soldering stations
- Allows user to activate advanced features such as operator lockout, temperature offset, temperature set back, ° F/° C switching, and temperature range window
- Three digit LED display
- Powered by four "AA" alkaline batteries (included)
- Order No. 0053118299



ESF120ESD CIRCUIT BOARD VICE

- Safely and securely hold circuit boards during soldering and rework applications
- For holding circuit boards up to 160 x 235 MM
- Allows 360 degree rotation in 15 degree increments
- Components are held in place by a cushioned arm
- Order No. 0051502699





0051303099
ANTI-SEIZE LUBRICANT

- Specially formulated lubricant to prevent desoldering tip thread seizure when operating at high temperatures
- 1/2 ounce tube
- Ideal for use at 900° F or lower



SM 1
SOLDER-MATE™ DISPENSER

- Durable dispenser minimizes core solder usage
- Eliminates operator downtime, provides continuous solder wire
- Holds 1 pound solder spool (solder not included)



WLSK200
VACUUM PICK-UP PEN

- For handling small electronic components
- Replaceable suction cup tips
- Pocket clip for portability



WPB 1
TIP POLISHING BAR

- Cleans and renews soldering tips.
- Removes plastic resins, oxidation, silicone grease and other chemicals from tip.
- Re-tin tip after use to prevent oxidation.



WDC
SOLDERING DRY CLEANER

- Safely cleans soldering tip without thermal shock.
- Cleans tip without water with the use of a special metal wool ball.
- Order No. 0051512499.
Replacement wools- Order No. 0051382499 (2 pack)



Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.
0051303099	50	0054465499	11	0058754951	29	C1KC	41
0051314099	23	0058727772	24	0058755741	28	CP01	48
0051314199	23	0058727773	24	0058755745	28	CT5A7	37
0051314299	23	0058727774	24	100UG	40	CT5A8	37
0051314399	23	0058727775	24	1080	46	CT5B8	37
0051314499	23	0058727776	24	1082	46	CT5C7	37
0051314599	23	0058727777	24	1085	46	CT5C8	37
0051314699	23	0058727778	24	1095	46	CT5D7	37
0051317199	14	0058727779	24	113	40	CT5D8	37
0051317299	14	0058727780	24	1233S	39	CT5E7	37
0051317399	12, 14	0058727781	24	1235S	39	CT5E8	37
0051318099	23	0058727782	24	1236S	39	CT6C6	37
0051382499	50	0058727783	24	1237S	38, 39	CT6C7	37
0051502699	49	0058727784	24	33	39	CT6C8	37
0051503099	35	0058727785	24	331	40	CT6D6	37
0051503999	21, 22, 23	0058727786	24	333	40	CT6D7	37
0051504299	14	0058727787	24	360	39	CT6D8	37
0051504899	29	0058727821	24, 31, 32	361	39	CT6E6	37
0051504999	29	0058727822	24	362	39	CT6E7	37
0051512199	8, 14	0058727823	24	363	39	CT6E8	37
0051512299	8, 14	0058736780	29	37UG	38, 39	CT6F6	37
0051512499	50	0058736804	33	4033S	39	CT6F7	37
0051514599	12, 14	0058736807	33	4037S	38, 39	CT6F8	37
0051514699	12, 14	0058736814	33	4039S	39	CT6F9	37
0052702899	15	0058736818	33	533S	39	CT6G7	37
0052704099	15	0058736833	33	535S	39	DX110	23
0052704299	15	0058736836	33	537S	38, 39	DX111	23
0052916699	15, 35	0058736837	33	5550	39	DX112	21, 22, 23
0052916799	35	0058736838	33	6956	45	DX113	23
0052917199	12, 14	0058736839	33	6957	45	DX114	23
0052918099	8, 14	0058736840	33	6958	45	DX116	23
0052918299	35	0058736841	33	6959	46	DX117	23
0053118299	49	0058736842	33	6960	40	DXV80	21, 22, 23
0053119099	29	0058736843	33	6964	45	EC1302	35
0053302299	23	0058736857	33	6965A	45	EC1503	35
0053313399	14	0058736858	33	6966C	45	ECMFE	35
0053313599	15	0058736867	33	6970	46	ESF120ESD	49
0053623299	34	0058736870	33	7154	40	ETA	16, 17, 18
0054414199	24	0058736873	33	7155	40	ETAA	18
0054414399	24	0058736876	33	7400	38, 39	ETB	18
0054414499	24	0058736877	33	7500	38, 39	ETBB	18
0054414699	24	0058736880	33	7760	38, 39	ETC	18
0054414799	24	0058736881	33	7770	38, 39	ETCC	18
0054445099	15	0058736882	33	7805	47	ETD	18
0054445199	15	0058736883	33	7874B	49	ETDD	18
0054445299	15	0058736890	33	7875B	49	ETH	18
0054460199	11	0058736891	33	7880	49	ETJ	18
0054460299	11	0058736892	33	7881	49	ETK	18
0054460399	11	0058736998	33	7882BK	49	ETKN	18
0054460499	11	0058736999	33	7883	49	ETL	18
0054460599	11	0058741815	21, 22, 23	8800	38	ETM	18
0054460699	11	0058744845	8	AK20	35	ETO	18
0054460799	11	0058744846	8, 14	AK51	14	ETP	18
0054460899	11	0058750709	33	AKFE11	35	ETR	18
0054460999	11	0058750714	33	AKV80	21, 22, 23	ETS	18
0054461099	11	0058750721	33	C12	41	ETT	18
0054465199	11	0058751818	35	C13	41	ETU	18
0054465299	11	0058754873	28	C14	41	ETV	18
0054465399	11	0058754924	28	C1C	41	FD2	47



Weller®

Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.	Cat. No.	Page No.
FD21	47	PL113	38, 40	PTR8	20	WHA3000P	26, 27, 29, 33
FD21D	47	PL114	40	PTS7	20	WHA3000PS	26, 28
FD21DN	47	PL133	38, 40	PTS8	20	WHA3000V	27, 28, 29
FD22	47	PL138	40	PU120T	19	WHC51	43
FD22DN	47	PL151	40	RT1	11	WHC52	43
FD2D	47	PL153	40	RT10	11	WHC54	43
FD3	47	PL155	40	RT2	11	WHP3000	26, 28
FE75	13, 15, 35	PL331	40	RT3	11, 14	WHP80	13, 15
HAP1	24, 31, 32	PL333	40	RT4	11	WLSK200	50
K111	48	PL338	40	RT5	11	WM120	38
K121	48	PL350	40	RT6	11	WMP	8, 13, 14
K181	48	PPT1	41	RT7	11	WMRH	12, 14
K191	48	PPT2	41	RT8	11	WMRP	10, 11, 12, 13, 14, 35
K1101	48	PPT5	41	RT9	11	WMRS	49
LHTD	15	PPT6	41	RTW1	11	WMRT	10, 11, 12, 13, 14
LHTE	15	PS1	42	RTW2	11, 14	WMRTH	10, 12, 14
LHTF	15	PS10	42	RTW3	11	WP25	35, 36, 37
LT1	5	PS100	42	RTW4	11	WP30	35, 36, 37
LT1L	5	PS100C	42	SD74	47	WP35	35, 36, 37
LT1LX	5	PS100K	42	SD74H	47	WP80	8, 13, 14, 35
LT1S	5	PSI2	42	SL325	38, 39	WPA2	43
LT1SLX	5	PSI3	42	SL335	38, 39	WPB1	50
LT1X	5	PSI4	42	SL345	38, 39	WPH81	23
LT4X	5	PSI5	42	SL500	38, 39	WPT01	43
LTA	5	PSI6	42	SM1	50	WPT1	43
LTAS	5	PSI7	42	ST1	37	WPT11	43
LTAX	5	PSI8	42	ST2	37	WPT13	43
LTB	5, 14, 15, 23	PSI9	42	ST3	37	WPT15	43
LTC	5	PTA6	20	ST4	37	WPT2	43
LTC5	5	PTA7	19, 20, 36	ST5	37	WPT5	43
LTD	5	PTA8	20	ST6	37	WPT8	43
LTF	5	PTAA7	20	ST7	37	WRS1002	31
LTH	5	PTAA8	20	ST8	37	WRS1002X	22
LTHX	5	PTB7	20	TC201T	19, 35	WRS3000	23
LTK	5	PTB8	20	TCP12P	36	WRS3000VX	23
LTKN	5	PTBB7	20	W100P	37	WSB150	13, 15
LTN	5	PTBB8	20	W100P3	36	WSB80	13, 15
LTM	5	PTC7	20	W100PG	35, 36	WSD161	49
LTS	5	PTC8	20	W58713798	33	WSD81	35, 49
LTSMT01	5	PTCC7	20	W58713799	33	WSL	49
LTSMT02	5	PTCC8	20	W60P	35, 36, 37	WSL2	49
LTSMT03	5	PTD7	20	W60P3	36	WSP150	13, 15
ML100	44	PTD8	20	WA2000	48	WSP80	13, 14, 23, 35
ML200	44	PTDD7	20	WAD101	32	WST2	43
MP131	38	PTDD8	20	WB1	42, 43, 44	WSTA3	43
MP133	38	PTE8	20	WB2	42, 43, 44	WSTA6	43
NT1	7, 14	PTF7	20	WBH3000	28	WTA1	14, 24
NT1S	7	PTF8	20	WBH3000S	26, 27, 28	WTA2	24
NT1X	7	PTH6	20	WCB1	21, 22, 31, 49	WTA3	24
NT4	7	PTH7	20	WDC	50	WTA4	24
NT6	7	PTH8	20	WD1	4, 6, 8	WTA5	24
NTA	7	PTJ7	20	WD1000M	9, 12	WTA50	13, 14
NTAX	7	PTJ8	20	WD1001	6, 8	WTCPT	19
NTB	7	PTK7	20	WD1002	4, 8		
NTC	7	PTK8	20	WD1M	9, 12, 14		
NTD	7	PTL7	20	WD2	8, 15		
NTGW	7	PTL8	20	WD2000M	10, 12		
NTH	7	PTM7	20	WD2M	10, 12, 14, 15		
NTK	7	PTM8	20	WDD81X	21		
P2C	41	PTO6	20	WDH10	8, 14		
P2KC	41	PTO7	20	WDH20	8, 14		
PESS1	16, 17	PTO8	20	WESS1	16		
PH1201ESD	19	PTP6	20	WESS1PU	16		
PH50	16, 17	PTP7	20	WESSD51	17		
PH60	15, 31, 32	PTP8	20	WESSD51PU	17		
PL100	40	PTR6	20	WFE2P	15, 34		
PL111	38, 40	PTR7	20	WHA300	30, 33		





Weller®

www.cooperhandtools.com/weller

Weller®
HE35
336B
LISTED



COOPER Hand Tools

Campbell® Caulk Master® Crescent® Diamond® Erem® Kahmetics® Lufkin®
Nicholson® Plumb® H.K.Porter® Weller® Wire-Wrap® Wiss® Xcelite®

CHT08-11657/MW-????/7M/PRINTED 9/08/USA COOPER NO. T550733 © 2008, Cooper Industries, LLC
Specifications subject to change without notice.

www.cooperhandtools.com/weller