

# WES51

ANALOG SOLDERING STATION

Test Equipment  
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## 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.**



## 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



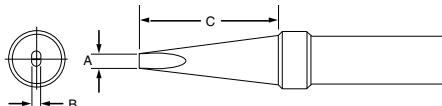
Wireless temperature lockout gives you control over the process.

# TIPS

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

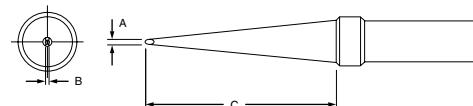
### THE WELLER ADVANTAGE:

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.



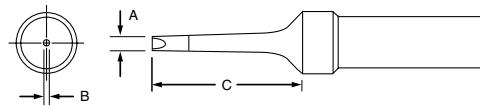
**SCREWDRIVER**

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



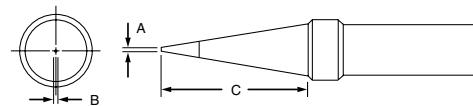
**LONG SCREWDRIVER**

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



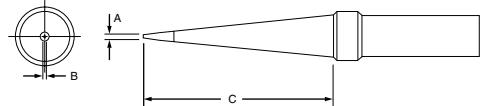
**NARROW SCREWDRIVER**

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



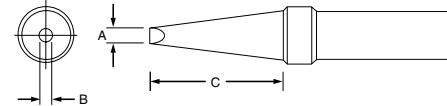
**CONICAL**

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



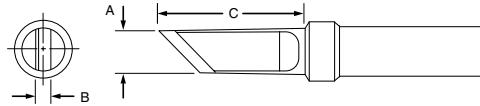
**LONG CONICAL**

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
ETA	0.062	1.60	0.040	1.02	0.625	15.90
ETB	0.093	2.40	0.032	0.81	0.625	15.90
ETC	0.125	3.20	0.032	0.81	0.625	15.90
ETD	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)

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