

# WESD51

DIGITAL 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, automatic power-down features, and a digital display to keep you in control.



Digital readout for accurate temperature 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
- 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.

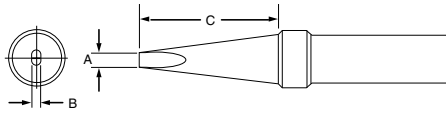


# TIPS

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

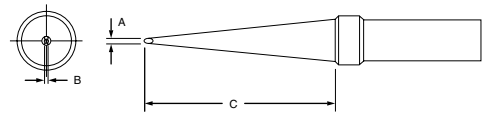
**THE WELLER ADVANTAGE:**

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.



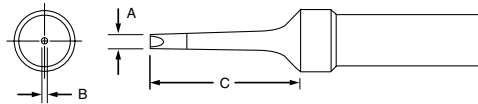
**SCREWDRIVER**

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



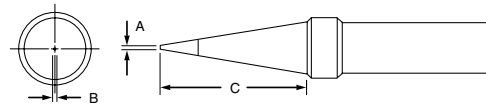
**LONG SCREWDRIVER**

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



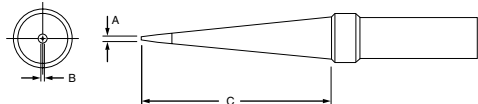
**NARROW SCREWDRIVER**

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



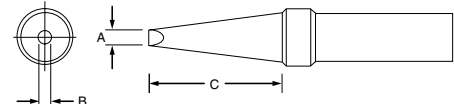
**CONICAL**

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



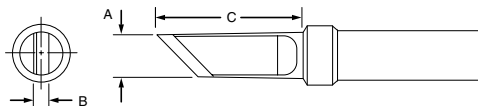
**LONG CONICAL**

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)