

Weller®

Soldering

TRENDSETTING SOLDERING SOLUTIONS



The right tool for my APPLICATION

A little handy chart to help you figure that out. The applications are sorted by extra small to extra large solder pads, and by medium and high energy requirements.

Solder pad size

- XS Very small solder pads 0.2-1.25mm
- S Small solder pads 0.8-1.6mm
- M Medium solder pads, universal soldering, 1.0-3.0mm
- L Larger solder pads, high mass soldering
- XL Very large solder pads, high mass soldering (shielding)

Energy requirement

- ME Medium Energy requirement
- HE High Energy requirement



Recommended for this application



Okay, but not optimal for this application

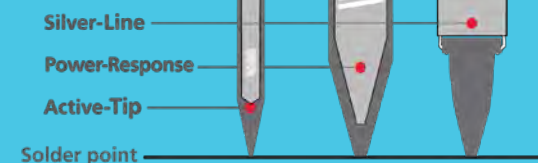


Not recommended for this application

3 heating technologies from Weller

Distance from sensor to solder point

• Sensor position



Active Tip



Power Response



Silver Line





WXMP/ MS 

WMRP/ MS 

WXMT/ MS 

WMRT/ MS 

WXP 90 

WTP 90 

WXP 65 

WP 65 

WXP 120 

WP 120 

WXP 200 





























WXP 80 

WP 80 




































WSP 80 

WSP 150 

WP 200 

	Tip family	Size of solder pad					Energy requirement	
		TIP	XS	S	M	L	XL	ME
ACTIVE TIP	RT							
	RT							
	RTW							
	RTW							

	Tip family	Size of solder pad					Energy requirement	
		TIP	XS	S	M	L	XL	ME
POWER RESPONSE	XNT							
	XNT							
	XNT							
	XNT							
	XT							
	XT							
	XHT							

	Tip family	Size of solder pad					Energy requirement	
		TIP	XS	S	M	L	XL	ME
SILVER LINE	LT							
	LT							
	LT							
	LHT							
	XHT							

TRUSTED technology

WX

State-of-the-art equipment to meet every soldering challenge

WT

High flexibility for versatile applications

WE

Robust unit for custom applications



+ GUARANTEED QUALITY

+ HIGH PRODUCTIVITY

+ MAXIMUM FLEXIBILITY

Weller supports you with:

- ▶ Fast response and processing time
- ▶ Automated tool detection, assignment of control parameters
- ▶ Microprocessor-controlled PID regulation, accuracy and stability (IPC)
- ▶ Extensive range of premium-quality products and accessories

Weller offers customized soldering solutions.

To help you better understand our wide product portfolio, we have segmented our products into 3 categories:

- ▶ The WX Line, featuring our premiere professional soldering equipment
- ▶ The WT Line, setting a new standard for soldering
- ▶ The WE Line - and the always reliable and cost-saving



ESD-safe

Weller devices are ESD-safe and can be used in electrostatic protected areas.

	WX	WT	WE
			
Standby Time	✓	✓	✓
Auto-Off Time	Motion sensor	Keystroke	
Standby Temperature	✓	✓	
Temperature Window	✓	✓	
Preset Temperature	✓	✓	
Temperature °C / °F	✓	✓	✓
Lock Function	✓	✓	✓
Offset	✓	✓	✓
Factory Setting	✓	✓	✓
Motion Sensor in Iron	✓	WTP 90 only	
Micro Tool Support	✓	WT 2M only	
High Power Tool Support	✓	WT 1H & WT 2M only	
Intelligent Tools	✓		
Intelligent Power Management	✓		
Firmware Update	✓	Weller Service Centers only	
USB functionality	✓		
Output for Zero Smog / Heating Plate / Robot	✓	WHP 80	
Fume Extraction Units	Zero Smog 4V, 6V WX Hub	Zero Smog TL WT Hub	Zero Smog EL (not connectable)
PC connectivity via RS232 & Software	✓		
Performance Mode	✓		
Language Setting	✓		
LCD Background Brightness	✓	✓	
Number of Connectable Tools	12	15	1
Traceability ready	✓		



WX tool selection



Active Tip



Power Response



Silver Line



WXP 65 | Soldering iron 65 W, 24 V with Power-Response Heating Technology



WXP 80 | Soldering iron 80 W, 24 V with Silver-Line Heating Technology



WXP 90 | Soldering iron 90 W, 24 V with Power Response Heating Technology



WXP 120 | Soldering iron 120 W, 24 V with Power-Response Heating Technology



WXP 200 | Soldering iron 200 W, 24 V with Power-Response Heating Technology



WXMP | Micro soldering iron WXMP 40 W, 12 V (hand piece without tips)



WXMT | Micro desoldering hand piece, 2 x 40 W Micro desoldering tweezers



WXDP 120 | Desoldering iron 120 W, 24 V

WXDV 120 | Desoldering iron 120 W, 24 V

WXHAP 200 | Hot air iron 200 W, 24 V with hot air nozzle R 06 round Ø 3,0 mm

WRK | Reflowset

WVP | Vacuum pick-Up

WHP 1000 | Preheating plate 1000 W

WHP 3000 | Infrared preheating plate 600 W with Easy Fix board holder

WHP 3000 | 1200 W Infrared Preheating plate

WXHP 120 | Preheating plate 120 W

WXSB 200 | Soldering bath 200 W, 24 V

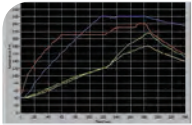
Zero Smog 4V
Fume extraction unit Zero Smog 4V

Zero Smog 6V
Fume extraction unit Zero Smog 6V

Zero Smog 20T
Mobile fume extraction unit for up to 20 FE-Soldering irons

Zero Smog TL
Fume extraction unit Zero Smog TL

Zero Smog EL
Fume extraction unit Zero Smog EL



Cost-efficient

The short warm-up time for the soldering tools and a faster and simpler method for changing tools also enable lightning-fast work and ensure high time savings as a result.



Easy-to-use

The user-friendly and easy handling allows a quick, uncomplicated handling of the equipment.



Backwards Compatibility

All soldering irons of the WSD and WD soldering stations can be connected. (except micro soldering irons)

+ EASY TO USE

+ COST EFFICIENT



+ 1000S OF IRON AND TIP COMBINATIONS

Soldering Stations	Soldering Stations
Soldering iron	Soldering iron
Soldering iron Safety rest	Soldering iron Safety rest
Soldering tips	Soldering tips
Soldering Tips Nozzles	Soldering Tips Nozzles
Preheating plate	Preheating plate
Soldering bath	Soldering bath
PCB board holder	PCB board holder
Solder Feeder	Solder Feeder
Heat gun	Heat gun
Temperature Measuring	Temperature Measuring
Accessorie	Accessorie



WT 1
90 W
1 channel
soldering station



WT 1H
150 W
1 channel
soldering station



WT 2M
150 W
2 channel
soldering station



WR 3M
360 W
3 channel
soldering station

	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
		✓	✓	✓
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	✓	✓	✓	✓
	✓	✓	✓	✓
		✓	✓	✓
	✓	✓	✓	✓

Soldering Stations

Soldering iron and safety rest

Soldering tips and nozzles

Preheating plates

Soldering bathes

Circuit board holder

Solder feeder

Hot air heating gun

Temperature measuring

Accessories