

**Weller**<sup>®</sup>

## WSM Compact Soldering Stations

*The world's first high performance battery powered soldering station.*

August 2010





WSM1

Two Versions:

Corded  
Cat. No. WSM1



Corded AND  
Battery Powered  
Cat. No.  
WSM1C



- Why WSM?
  - Makes micro tool technology (WMRP) accessible to a wider market
  - Achieves micro tool performance for 32% less than WD1000M
  - Introduce an industry first – a high performance, battery powered soldering station (WSM1C)
- Target markets
  - R & D (WSM1 corded version)
  - Repair and rework sector (WSM1C cordless version)



## Compact, lightweight, and powerful

Just put the Weller micro pencil in your hand and you will see and feel the difference. Incomparable comfort and control is yours.

- Motion sensor technology initiates power to the pencil after the setback period. Saves energy and extends tip lifetime.
- The setback feature saves energy and extends tip lifetime
- Integrated heater-in-tip design allows for 4 second heat-up time with just 40 watts of power
- High efficiency RT3 (.05", 1.3 mm) micro-soldering chisel tip with integrated heating element

## Easy to use

Operation is intuitive. You don't need tons of training. You can be productive immediately.

- LCD display screen with touch control
- Special functions for customized settings (auto-off, setback timer, offset, °F / °C, lockout)
- Two programmable pre-set temperatures
- Safety rest with brass wool tip dry cleaning system

## Weller quality through and through

- The quality you have come to expect from a name you trust

Made in  
Germany

### Integrated tip design

Weller's unique stereo jack plug system is fast, convenient, and secure.



### Easy to use

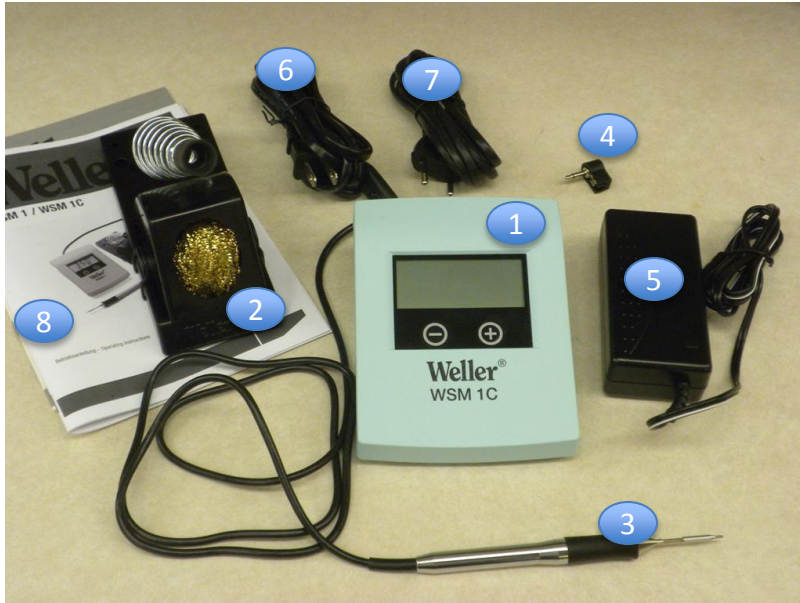
LCD display screen with touch control



### Convenience

Two programmable pre-set temperature buttons. Set your favorite temperatures and forget it.





### Ordering information:













TWSM1 Digital Soldering Station,  
50W, 100-240 V  
WSM1C Digital Rechargeable  
Soldering Station, 50W, 100-240 V  
0058751880 Car Adapter, 12 V, for  
WSM1C



### A complete one-user setup is included:

- 1 Soldering station with hard-wired pencil
- 2 Tool holder with brass wool tip dry cleaner
- 3 RT3 micro-chisel tip
- 4 ESD grounding plug
- 5 AC power supply / charger
- 6 North America power cord
- 7 European power cord (2 round prongs)
- 8 Instructions

## RT SERIES TIPS FOR WMRP MICRO SOLDERING PENCIL

	Model	Description	Width A	Thickness B	Order No.
	RT1	Needle tip	0.2 mm / .008"	–	0054480199
	RT1SC	Micro Chisel tip	0.4mm / .016"	0.15 mm / .006"	0054481299
	RT2	Point tip	Ø 0.8 mm .032"	–	0054480299
	RT3	Chisel shape, straight	1.3 mm .051"	0.4 mm .0157"	0054480399
	RT4	Chisel shape, straight	1.5 mm .059"	0.4 mm .0157"	0054480499
	RT5	Chisel shape, bent, 30°	0.8 mm .032"	0.4 mm .0157"	0054480599
	RT6	Round shape, beveled, 45°	Ø 1.2 mm .047"	–	0054480699
	RT7	Knife tip, 45°	2.2 mm .0866"	–	0054480799
	RT8	Chisel tip, straight	2.2 mm .087"	0.4 mm .016"	0054480899
	RT9	Chisel tip, straight	0.8 mm .032"	0.4 mm .016"	0054480999
	RT10	Gull wing for drag soldering	1.2 mm .047"	2.0 mm .079"	0054481099
	RT11	Chisel Tip	3.6 mm .142"	0.9 mm .035"	0054481099

Additional tip details available at [www.cooperhandtools.com/weller](http://www.cooperhandtools.com/weller)  
RT-MIL tips are NOT compatible with WSM1 or WSM1C



12 volt car charger  
For WSM1C  
Cat. No. 0058751880



**Don't forget the  
fume extraction!**

Environmental, safety, and health concerns are major industry drivers. Protect your investment with Weller Zero Smog.



For more information:  
(866) 498-0484  
[Weller-na@apextoolgroup.com](mailto:Weller-na@apextoolgroup.com)  
[www.wellerzerosmog.com](http://www.wellerzerosmog.com)



# Specification Comparison Chart

	Weller WSM1	Weller WSM1C	Weller WD1000M	JBC BD-1 BA	Hakko FX-951	Metcal MX-5020
Temperature Range	200 - 750 F (50 - 400 C)	201 - 750 F (50 - 400 C)	200-850 F (100 - 450 C)	200 - 740 F (90 - 450 C)	400 - 840 F (200 - 450 C)	700 UFTC Series - Max. Temp 775 F (412 C)
Heat up time zero to 700F	10 sec.	10 sec.	10 sec.	4 sec.	20 Sec.	8 sec.
Output power	40 W /12 V	40 W /12 V	40 W / 24 V	20 W / 24V	70 W / 24V	50 W / 24V
Power supply	100V - 240V	100V - 240V	120V	120V	120V	100V - 240V
Touch screen	Yes	Yes	No	No	No	No
Temperature Lockout	Yes	Yes	Yes	Yes	Yes	No
Temperature pre-set buttons	2	2	3	No	No	N/A
Replaceable pencil?	No	No	Yes	Yes	Yes	Yes
ESD Safe?	No. Optional grounding kit available soon.	No. Optional grounding kit available soon.	Yes	Yes	Yes	Yes
MIL-SPEC Compliant?	No	No	No. MIL-SPEC pencil and tips available.	Yes	Yes	Yes
Menu Features: Auto Off, Setback Timer, Lockout, Offset, °F/°C.	Yes	Yes	Yes	Yes, Auto setback and Hibernation modes with a pin # lockout	Yes, Auto setback and sleep modes, °F & °C settings and a key card lockout	Setback
Battery Supply	N/A	Lithium Ion	N/A	N/A	N/A	N/A
Recharge time	N/A	20 min.	N/A	N/A	N/A	N/A
Run time	N/A	60 min.	N/A	N/A	N/A	N/A
Tip selection	12	12	12	14	81	13
Setback feature	Yes Accelerometer / Setback timer	Yes Accelerometer / Setback timer	Yes Stop+Go stand / Setback timer	Handpiece Placement in the stand	Handpiece Placement in the stand	Yes, Sleep Stand
Sugg. List Price	\$ 365.00	\$ 435.00	\$ 523.95	\$ 375.00	\$ 263.10	\$ 675.00
Average Tip Price	\$ 34.00	\$ 34.00	\$ 34.00	\$29.00 standard; \$35.00 Long Life	\$10.40 standard; \$48.00 for most expensive	\$ 29.00



Cat. No.	Order No.	Description	Sugg. List Price – US	Sugg. List Price - Canada
WSM1	TWSM1	Digital Soldering Station, 40W, 120V	\$365.00	\$400.00
WSM1C	WSM1C	Digital Rechargeable Soldering Station, 40W, 120V	\$450.00	\$500.00
0058751880	T0058751880	Car Adapter, 12V, for WSM1C	\$12.00	\$13.20
RT1	T0054460199	Needle Tip Cartridge for WMRP	\$32.44	\$37.46
RT1SC	T0054461299	Micro Chisel Tip Cartridge for WMRP	\$47.25	\$54.56
RT2	T0054460299	Fine Point Tip Cartridge for WMRP	\$32.44	\$37.46
RT3	T0054460399	Chisel Tip Cartridge, WMRP	\$32.44	\$37.46
RT4	T0054460499	Chisel Tip Cartridge for WMRP	\$32.44	\$37.46
RT5	T0054460599	Bent Chisel Tip Cartridge, WMRP	\$32.44	\$37.46
RT6	T0054460699	Round Sloped Tip Cartridge, WMRP	\$32.44	\$37.46
RT7	T0054460799	Knife Tip Cartridge for WMRP	\$34.07	\$39.34
RT8	T0054460899	Chisel Tip Cartridge, WMRP	\$32.44	\$37.46
RT9	T0054460999	Chisel Tip Cartridge, WMRP	\$32.44	\$37.46
RT10	T0054461099	Gull Wing Tip Cartridge, WMRP	\$32.44	\$37.46
RT11	T0054461199	Chisel Tip Cartridge for WMRP	\$49.00	\$50.00