

## The New Generation of High Power Tools



The WD 1000HPT station features Weller's new 120 W soldering iron, the WP 120. This iron is ideal for soldering on difficult circuit boards with heat sinks that cause dissipation in heat transfer. Target applications include high density circuit boards, High Frequency / Radio Frequency applications, and solar panel production.

The Weller WD1000HPT station is specifically designed for soldering operations which need a combination of high energy and maximum precision.

The WD1000HPT consists of –

### The WP120 Soldering Iron

Combining a compact, powerful heating element with a replaceable soldering tip the WP 120 guarantees dynamic performance. The rapid transfer of heat into the soldering tip is quickly and precisely controlled with sophisticated electronics which allows the WP 120's compact design to cope with big and difficult solder joints.

### The WD1M Power Unit

The microprocessor controlled WD1M has a number of in built special functions which make it ideally suited for use in production, rework and laboratory environments.

WD1Ms' from April 2008 on are supplied with new advanced software specially designed for the WP 120 iron.

### WDH10T Stop + Go Iron Safety Rest

Using the special menu on the WD 1M iron setback time and temperature as well as auto off time can be programmed and they are automatically activated when the soldering iron is placed into the WDH 10T safety rest. When the iron is removed from the rest tip temperature is restored immediately to the set working level. Using this Stop + Go safety rest is an easy and effective way to increase tip life particularly when using lead free solder.

#### Compatibility Statement:

The WD1M power unit is upgraded from April 2008 on to have a larger 160 Watt transformer, plus advanced software to power the WP120 soldering pencil. WP120 is not compatible with any other Weller power unit.



**WD1M Power Unit**  
(date code 04/08 or later)

**Technical Data WD1000HPT**

Dimensions:	5.27" x 4.25" x 5.78" (134 x 108 x 147 mm)
Mains power supply:	120 V / 50/60 Hz
Power:	160W
Temperature control:	150°F - 850°F (50°C - 450°C)
Temperature accuracy:	+/-17°F (+/- 9°C)
Temperature stability:	+/-9°F (+/-5°C)
Soldering tip leakage resistance:	<2 ohm (tip-to-ground)
Soldering tip leakage current:	<2mV (tip-to-ground)

**ESD Safe – RoHS Compliant – MIL-SPEC compliant**



**WP120 120 Watt Soldering Pencil**

**WD1000HPT Package Contents**

- WD1M Power Unit  
(with date code 04/08 or later)
- WP120 120 Watt Soldering Pencil (Order no. 0052919399)
- WDH10T Stop + Go Stand  
(Order no. 0051516199)
- WDC2 Dry Tip Cleaning System  
(Order no. 0051512599)
- Instructions and safety information



**WDH10T Stop + Go Stand with Dry Tip Cleaning System**

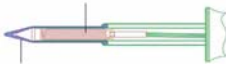
**New XT Series Soldering Tips for WM120 Soldering Pencil**

Order No.	Model	Type	Width	Height	Length
T0054470199	XTAL	Chisel	1.6 mm	1.0 mm	39 mm
T0054470299	XTM	Chisel	3.2 mm	1.2 mm	39 mm
T0054470399	XTA	Chisel	1.6 mm	0.7 mm	36 mm
T0054470499	XTB	Chisel	2.4 mm	0.8 mm	36 mm
T0054470599	XTC	Chisel	3.2 mm	0.8 mm	36 mm
T0054470699	XTD	Chisel	4.6 mm	0.8 mm	34.5 mm
T0054470799	XTE	Chisel	5.9 mm	1.2 mm	34.5 mm

**New!! XT Series Tips for WP120**

How are they different?

The wire-wound heater is designed for maximum thermal recovery



The tip is shaped to fit snugly over the pyramid shaped heater slug to give you maximum surface contact between the tip and the heater

**Technical Support**

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