

# Powerful Soldering Intelligence on A Single Platform

Weller® WX. Intelligent Solutions for Electronic Assembly



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**Weller®**

# Power. Performance. Intelligence.



The WX1 single-channel soldering station

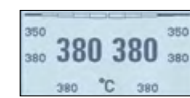


The WX2 two-channel soldering station



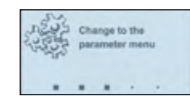
# A System That Saves You Money

The Weller WX system keeps your cost of ownership low with Intelligent power management to conserve energy and an exceptional degree of tool compatibility.



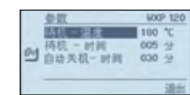
### 200 I 240W Total Power

Supports operation of one 200W tool or simultaneous operation of two 120W tools (WX2 Only)



### Viewable From All Angles

Blue LED Backlighting to strengthen visibility



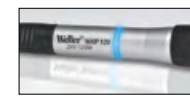
### Global Language Support

Display multiple languages through menu selection



### Intuitive Interface

Six touch keys with radius finger guide for turn-and-click navigation



### Automatic Energy Saving Mode

Selectable stand-by mode with visual process control via blue LED light ring on most models (light on = heater on, light off = heater off)



### Robust Touch Screen

Patented, capacitive touch screen made of antistatic, chemical and temperature resistant glass



### Intelligent Tool Recognition

Quick change connectors enable rapid tool interchange



### Multi-Purpose USB Port

Quick and localized software updates, parameter configuration and data logging via USB stick



### Intelligent Accessory Management

Dual port configuration to manage fume extractors, heating plates and programmable logic controllers



### Increased Accuracy

Digital sensor in pencil optimized at short range for peak performance



### Programmable Read and Write Memory

Supports quick tool exchange and reduces adjustments needed to the soldering station

| Technical data                                                                    | WX1                                                                                | WX2   | WX Irons, Tool Stands, Tips                                                                                                                                                                                                                        |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Figure                                                                            |  |       |                                                                                                                                                                 |  |
|  |                                                                                    |       | <b>WXMP micro soldering iron with WDH51 tool stand</b> <ul style="list-style-type: none"><li>• 40W   12V</li><li>• Ideal for soldering small micro components</li><li>• RT3-MS chisel soldering tip included</li></ul> Order number<br>T0052921799 |  |
| Dimensions LxWxH                                                                  | 170 x 151 x 130 mm (6.69 x 5.94 x 5.12 inch)                                       |       | <b>RT soldering tips</b>                                                                                                                                                                                                                           |  |
| Power supply                                                                      | 120V   50/60 Hz                                                                    |       | <b>RT1-MS</b> / Needle tip Ø 2.0 mm, 40 W  Order number<br>T0054461499                                                                                          |  |
| Power consumption                                                                 | 200 W                                                                              | 240 W | <b>RT1NW</b> / Needle tip Ø 1.0 mm, chrome<br>40 W not wettable for component 0201/0204  Order number<br>T0054462599                                            |  |
| Temperature range                                                                 | Adjustable temperature range varies among tools (100°C – 450°C   200°F– 850°F)     |       | <b>RT1SC-MS</b> / Chisel tip 0.4 x 0.15 mm, 40 W  Order number<br>T0054461599                                                                                   |  |
| Temperature accuracy                                                              | ± 9°C (± 17°F)                                                                     |       | <b>RT1SCNW</b> / Chisel tip 3.0 x 1.0 mm, chrome,<br>40 W not wettable for component 0201/0204  Order number<br>T0054462699                                     |  |
| Temperature stability                                                             | ± 6°C (± 10°F)                                                                     |       | <b>RT2-MS</b> / Needle tip Ø 0.8 mm, 40 W  Order number<br>T0054461799                                                                                          |  |

WX Stations, Irons and Tool Stand Sets (MIL-SPEC and ESD compliant)

|                                                                                     |                                                                                                                                  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|   | <b>WX2020</b><br>WX2 station with two WXP120 soldering irons and two WDH10 tool stands                                           |
|   | <b>WX2021</b><br>WX2 station with WXMP-MS soldering iron and WDH51 tool stand, WXMT-MS de-soldering tweezer and WDH60 tool stand |
|  | <b>WX1010</b><br>WX1 station with WXP120 soldering iron and WDH51 tool stand                                                     |
|  | <b>WX1011</b><br>WX1 station with WXMP-MS micro soldering iron and WDH51 tool stand                                              |
|  | <b>WX1012</b><br>WX1 station with WXP65 soldering iron and WDH10 tool stand                                                      |



|                           |                       |
|---------------------------|-----------------------|
| <b>RT</b> / Measuring tip | Order number<br>K1101 |
|---------------------------|-----------------------|



WXP65 soldering iron with WDH10 tool stand

- 65W I 24V
- Ideal for soldering small precision components
- XNTA chisel soldering tip included

Order number  
T0052921299

XNTsoldering tips

|                                              |  |                             |
|----------------------------------------------|--|-----------------------------|
| XNT1 / Micro tip,Width: Ø 0.25 mm            |  | Order number<br>T0054485099 |
| XNT1S / Micro tip,Width: Ø 0.20 mm           |  | Order number<br>T0054485299 |
| XNT1SC / Fine chisel tip,Width: 0.40x0.15 mm |  | Order number<br>T0054486299 |
| XNT4 / Angled round tip,Width: Ø 1.20 mm     |  | Order number<br>T0054485599 |
| XNT6 / Chisel tip,Width: 1.60x0.4 mm         |  | Order number<br>T0054485699 |
| XNTA / Chisel tip,Width: 1.60x0.4 mm         |  | Order number<br>T0054485199 |
| XNTB / Chisel tip,Width: 2.40x0.8 mm         |  | Order number<br>T0054485799 |
| XNTC / Chisel tip,Width: 3.20x0.8 mm         |  | Order number<br>T0054485899 |
| XNTD / Chisel tip,Width: 4.0x0.8 mm          |  | Order number<br>T0054485399 |
| XNTGW / Gullwing Ø 2.0x3.0 x13.4 mm          |  | Order number<br>T0054485499 |
| XNTH / Chisel tip,Width: 0.8x0.4 mm          |  | Order number<br>T0054485999 |
| XNTK / Chisel tip,Width: 1.2x0.4 mm          |  | Order number<br>T0054486099 |
| XNTKN / Knife tip,Width: 2.0 mm              |  | Order number<br>T0054486399 |
| XNT Measuring tip                            |  | Order number<br>K1131       |



WXP120 soldering iron with WDH10 tool stand

- 120W I 24V
- Ideal for soldering small and large components
- XTB chisel soldering tip included

Order number  
T0052920299

XTsoldering tips

|                                                    |  |                             |
|----------------------------------------------------|--|-----------------------------|
| XTA / Chisel tip,Width: 1.6 mm,Thickness: 0.7 mm   |  | Order number<br>T0054470399 |
| XTAA / 60° Angled chisel tip,Width: Ø 1.6 mm       |  | Order number<br>T0054470899 |
| XTAL / Chisel tip,Width: 1.6 mm,Thickness: 1.0 mm  |  | Order number<br>T0054470199 |
| XTB / Chisel tip,Width: 2.4 mm,Thickness: 0.8 mm   |  | Order number<br>T0054470499 |
| XTBB / 45° Angled chisel tip,Width: Ø 2.4 mm       |  | Order number<br>T0054470999 |
| XTBS / Round tip,Width: Ø 2.4 mm                   |  | Order number<br>T0054471599 |
| XTC / Chisel tip,Width: 3.2 mm,Thickness: 0.8 mm   |  | Order number<br>T0054470599 |
| XTCC / 45° Angled chisel tip,Width: Ø 3.2 mm       |  | Order number<br>T0054471099 |
| XTCS / Round tip,Width: Ø 3.2 mm                   |  | Order number<br>T0054471699 |
| XTD / Chisel tip,Width: 4.6 mm,Thickness: 0.8 mm   |  | Order number<br>T0054470699 |
| XTD45 / 45° Angled chisel (solar) tip,Width: 5 mm  |  | Order number<br>T0054472199 |
| XTDS / Round tip,Width: Ø 5.0 mm                   |  | Order number<br>T0054471799 |
| XTE / Chisel tip,Width: 5.9 mm,Thickness: 1.2 mm   |  | Order number<br>T0054470799 |
| XTF / 30° Round single flat tip,Width: Ø 1.2 mm    |  | Order number<br>T0054471899 |
| XTGW / Gullwing tip,Width: 2.3 mm / 3.2x33.3 mm    |  | Order number<br>T0054471299 |
| XTH / Chisel tip,Width: Ø 0.8 mm,Thickness: 0.4 mm |  | Order number<br>T0054471399 |
| XTKN / 60° Knife tip,Width: Ø 2.0 mm               |  | Order number<br>T0054471199 |
| XTM / Chisel tip,Width: 3.2 mm,Thickness: 1.2 mm   |  | Order number<br>T0054470299 |
| XTO / Round tip,Width: Ø 1.0 mm                    |  | Order number<br>T0054471499 |
| XT adapter M4                                      |  | Order number<br>T0054471999 |
| XT adapter M5                                      |  | Order number<br>T0054472099 |
| XT Measuring tip                                   |  | Order number<br>K1121       |

WX Irons, Tool Stands, Tips (Continued)



WXP200 soldering iron with WDH31 tool stand

- 200W I 24V
- Ideal for soldering large high heat components
- XHTB chisel soldering tip included

Order number  
T0052920699

XHTsoldering tips

|                                                   |  |                             |
|---------------------------------------------------|--|-----------------------------|
| XHTC / Chisel tip,Width 3.2 mm,Thickness: 1.2 mm  |  | Order number<br>T0054480499 |
| XHTD / Chisel tip,Width: 5.0 mm,Thickness: 1.2 mm |  | Order number<br>T0054480199 |
| XHTE / Chisel tip,Width: 7.6 mm,Thickness: 1.5 mm |  | Order number<br>T0054480299 |

WX Tweezer, Tool Stands, Tips



WXMT-MS micro tweezer iron with WDH60 tool stand

- 2 x 40W I 12V
- Ideal for soldering and desoldering micro components
- RT2-MS chisel tip cartridge included

Order number  
T0051320399

RTW soldering tips

|                                                                                                                                                  |  |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|
| <b>RTW1-MS</b><br>Tip set chisel tip Ø 0.4 x 10 mm, 45°, 80 W                                                                                    |  | Order number<br>T0054465599 |
| <b>RTW2-MS</b><br>Tip set chisel tip Ø 0.7 x 0.4 mm, 45°, 80 W                                                                                   |  | Order number<br>T0054465799 |
| <b>RTW3-MS</b><br>Tip set chisel tip Ø 3.0 x 1.0 mm, 45°, 80 W                                                                                   |  | Order number<br>T0054465899 |
| <b>RTW4-MS</b><br>Tip set chisel tip Ø 6.0 x 1.0 mm, 45°, 80 W                                                                                   |  | Order number<br>T0054465999 |
| <b>RTW6NW</b><br>Tip set chisel tip Ø 0.2 x 1.0 mm, 45° chrome unwettable, for soldering and desoldering of micro devices components 0201 / 0402 |  | Order number<br>T0054465699 |

WX Compatible Fume Extraction Units



WFE2S

Portable volume extraction up to four workstations

WFE4S

Portable on wheels volume extraction up to eight stations

WFE20D

Portable on wheels tip extraction up to 20 FE soldering irons

WX Compatible Heating Plates



WHP1000

850W contact preheater area 220 x 150 mm (8.75 x 6.0 in)

WHP3000\*

600W infra-red contact preheater area 120 x 190 mm (4.7 x 7.5 in)

\*1200W (230V) infrared contact heater available upon request

WX Accessories



WX to PC adapter

Order number  
T0058764711



WX to WFE/WHP adapter

Order number  
T0058764712



WX to adapter cable connectivity

Order number  
T0058764710



WDC2 Dry tip replacement cleaner for WDH tool stands

Order number  
T0051512599



Replacement brass wool ball for WDC2 (2 per Pack)

Order number  
T0051382499



Tip Polishing bar for soldering tip cleaning

Order number  
WPB1



Replacement Sponge for WMPH tool stands

Order number  
T0052241999



Tip tinner and activator, 0.5 oz.

Order number  
T0051303199





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ATG-533 / CG-137300 / 7.5M / PRINTED 10.11 / ITEM No.T550830 / Specifications subject to change without notice.

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