



WXsmart

2 CHANNEL POWER UNIT, 300 W / 230 V

ORDER NO: T0053451699

The All-In-One Soldering Station for Every Soldering Task and Challenge

Answering all application needs from Pico, Micro, Heavy Duty Soldering and Tweezers Soldering from component size 0402 to 1612 and beyond Easily extendable to a full rework station with the WXair Rework Module. The station has 300 W, 2 soldering channels, 1 air and 1 vacuum channel. In total 16 tools are connectable to the WXsmart. No additional station is needed.

KEY FEATURES

> ALL CONNECTIVITY INTERFACES EMBEDDED

The first hand soldering station that provides maximum connectivity, with all interfaces embedded (ex: factory), with no need for any additional hardware costs. The integration for every IT-environment is fast and flexible, with or without cable.

Simply select your preferred connection between:

- WLAN - LAN - USB - 2x RS 232

> FULL TRACEABILITY OF SOLDERING PROCESS

Tracing the hand soldering process with the WXsmart platform provides complete transparency, full process documentation and high process control. This greatly reduces failure in the soldering production, providing a higher quality of end result products and output. By leveraging existing IoT standards, Weller delivers data that is available in different formats and can be easily integrated into your ERP system. Data transfer of the manual hand soldering in real-time.

Weller offers three efficient ways to easily transfer and store data:

1. Directly from the station: Direct Connection to the MES System, collecting the data directly via broker systems.
2. Weller Windows Application App: Offers the possibility to store continuous data to a CSV file.
3. USB storage device: These files can be also imported to a SQL Database

> TOTAL PROCESS CONTROL WITH NEW USER MANAGEMENT INCLUDING PASSWORD PROTECTION (PIN)

WXsmart gives the administrator total process control of an individual operator's account with password protection, so operations are secured against unauthorized access.

User management controls provide restricted access and control to various parameters (temperature lock, tool lock and tip lock (smart tips only) and others), providing the operator with total control from tip to station, resulting in an increase of quality within the soldering process.

> PROTECTION AGAINST CYBER ATTACKS

The first hand soldering station with built-in protection against Cyber Attacks. Weller delivers a high level of security by using TLS encryption and two-factor authentication (2FA), including Weller's built-in certificate upload mechanism that provides the soldering station with a customer verification-certificate, and protected software updates – all part of the cyber security system of the WXsmart.

> MOST POWERFUL IOT SOLDERING & REWORK STATION - WORLDWIDE!

2-Channel High-Power Station with a performance up to 300 W including desoldering and hot air tool support.

> FULL PROCESS AND TOOL CONTROL THROUGH 1 DEVICE

The WXsmart is a centralized benchtop control unit that acts as the brain of the workbench, controlling multiple devices at the same time. WXair Rework Module, Fume Extraction Units and Automatic Valve, Auto-Calibration Unit and Pre-Heating Plates all can be easily controlled from the WXsmart, with every tool aligned with each other. Controlling the workbench from one station saves time, space and money, with the ability for more than 20 devices and tools to be connected to just 1 station.

> PRECISE WORKING PROCESSES WITH POWER AND TEMPERATURE GRAPHS IN REAL-TIME

The new integrated station screen enables the operator to view in real-time, both the power & temperature graphs of their soldering process in full color.

> SUPERIOR VISIBILITY WITH A LARGE, COLORED HEAT-RESISTANT ESD-SAFE GLASS TOUCHSCREEN



Only Weller offers a fully ESD-safe hand soldering platform. The large patented, color glass 4.3-inch TFT touchscreen is the only screen in the hand soldering market that is truly ESD-safe and heat resistant. The screen is optimized for the navigation with ESD safe gloves, and hot soldering irons will not damage the touchscreen. Colors and clear parameter setting designs are visible from every angle.

> HIGHLY INTUITIVE USER INTERFACE (UI)

Weller's WXSmart introduces a completely new, highly intuitive user interface. With 4 quick swipes the operator can easily navigate through the stations, saving time and costs

Swipe down = open menu

Swipe up = open benchtop control

Swipe right = open tool setting tool 1

Swipe left = open tool setting tool 2

TECHNICAL DATA SOLDERING STATION WXsmart

Dimensions L x W x H

173 mm x 153 mm x 142 mm / 6,81 inch x 6,02 inch x 5,59 inch

Weight 4,5 kg

Mains supply voltage

100V AC / 50/60 Hz 120V AC / 60 Hz 230V AC / 50/60 Hz

Power consumption 300W

Safety class

I, Supply unit / III, Soldering tool

Fuse

100V / T6,3A 120V / T5A 230V / T3,15A

Temperature range

100 - 450°C (550°C)

Tool dependent

200 - 850°F (950°F)

Temperature accuracy

± 9 °C / ± 17 °F

Temperature stability

± 2 °C / ± 4 °F

Subject to technical alterations and amendments.

