

WP 65

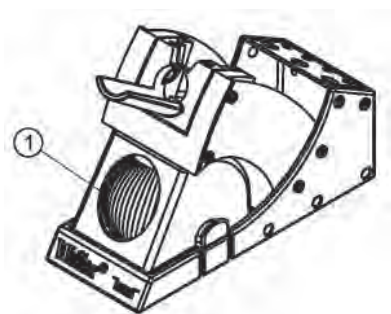
Operating Instructions



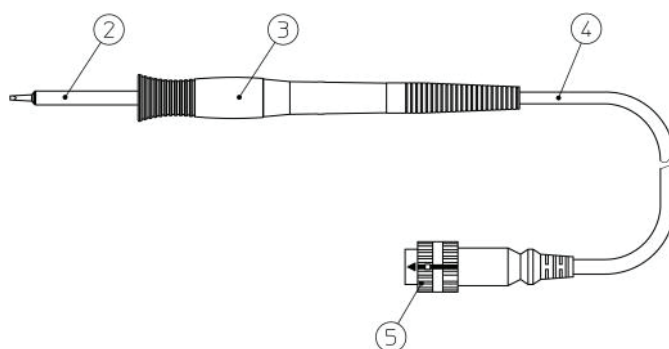
WP 65 Hardware Overview

Always place the soldering tool in the safety rest while not in use.

WDH 10



WP 65



4D9R1039

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|---------------------|--|
| 1. Cleaning element | 4. Heat-resistant antistatic silicon cable |
| 2. Soldering tip | 5. Lockable connector plug |
| 3. Barrel | |

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1 About these instructions

Thank you for the confidence you have shown in buying the Weller WP 65 soldering iron. The device has been manufactured in accordance with the most rigorous quality standards, which ensure that it operates perfectly.

These instructions contain important information which will help you to start up, operate and service the WP 65 soldering iron safely and correctly as well as to eliminate simple faults or malfunctions yourselves.

- ▷ Read these instructions and the accompanying safety information carefully before starting up the device and starting work with the WP 65 soldering iron.
- ▷ Keep these instructions in a safe place and so that they are easily accessible to all users.

1.1 Directives taken into consideration

The Weller WP 65 soldering iron conforms to the specifications of the EC Declaration of Conformity as defined by Directives 2004/108/EC, 2006/95/EC and 2011/65/EU (RoHS).

1.2 Applicable documents

- Operating instructions for your supply unit
- Operating instructions for WP 65

2 For your safety

- The WP 65 soldering iron has been manufactured in accordance with the current state of the art and recognised safety rules and regulations. There is nevertheless the risk of personal injury and damage to property if you fail to observe the safety information set out in the accompanying booklet and the warnings given in these instructions.

- Always pass on the WP 65 soldering iron to third parties together with these operating instructions.
- The manufacturer accepts no liability for improper use of the tool or for unauthorised modifications.

2.1 Please observe the following guidelines:

General information

- Always place the WP 65 soldering iron in the intended safety rest.
- Remove all inflammable articles from around the hot soldering iron.
- Always wear suitable protective clothing when using the WP 65.
- Never leave a hot WP 65 unattended.
- Do not work on electrically live parts.
- Antistatic plastics are provided with conductive fillers to prevent the build-up of static charge. This also reduces the insulating properties of the plastic.
Do not work on electrically live parts.
- Always wear eye protection when working with soldering and desoldering applications.
- Read and follow the operating instructions for the Weller supply unit.

Handling soldering/desoldering tips

- Do not place or leave hot soldering/desoldering tips on the worktop or on plastic surfaces.
- Wet the tinned soldering/desoldering tips with solder once they have heated up in order to remove oxide layers that form during storage or contamination from the soldering/desoldering tips.
- Ensure the soldering/desoldering tips are well wetted during intervals between soldering and desoldering and prior to storage of the device.
- Do not use aggressive fluxing agents.
- Always make sure that the soldering/desoldering tips are properly seated.
- Select the lowest possible working temperature.
- Select the largest possible soldering/desoldering tip shape for the application (roughly as large as the soldering pad).
- Wet the soldering/desoldering tips well to ensure efficient heat transfer between the soldering/desoldering tips and the soldering spot.
- Switch off the system if you do not intend to use the soldering/desoldering tool for prolonged periods.
- Wet the tips before placing the soldering/desoldering tool in the safety rest.
- Apply the solder directly at the soldering point, not on the soldering/desoldering tips.
- Do not apply excessive force to the soldering/desoldering tips.
- Always make sure that the soldering iron is placed properly in the safety rest.

2.2 Intended use

Use the WP 65 soldering iron exclusively for the purpose indicated in the operating instructions of releasing, accommodating and depositing electronic components under the conditions specified herein. Intended use of the WP 65 soldering iron also includes the requirement that you

- adhere to these instructions,
- observe all other accompanying documents,
- comply with national accident prevention guidelines applicable at the place of use.

The manufacturer accepts no liability for any damage resulting from failure to use the device in compliance with these operating instructions or unauthorised modifications to the device.

3 Included in delivery

WP 65 packed **T0052921599**

- WP 65 soldering iron **T0052921599**
- XNT A soldering tip Ø 1.6 mm **T0054485100**
- Operating Instructions for WP 65

Also included in WP 65 soldering set **T0052921699**

- WDH 10 switching holder **T0051512199**
- Sole plate connector **T0058703153**
- Operating instructions of WDC 2

4 Device description

4.1 Soldering iron WP 65

The WP 65 soldering iron is characterised by very fast and precise achievement of the soldering tip temperature. A highly powerful 65 W heater element provides excellent dynamic performance. Thanks to its slim-line design and the extremely short distance from the handle to the tip, this soldering iron can be used for general purposes from precision soldering to high-temperature soldering. The WP 65 can only be switched to Standby or OFF mode using an optional switching holder. For directions for setting the standby temperature and the switching times, please refer to the operating instructions of the supply unit in use.

4.2 Technical data

Temperature range	100°C - 450°C (212°F - 850°F)
Tool cable	Silicone rubber, heat resistant
Heating element	Integrated heating wire element
Temperature sensor	Platinum sensor
Heating output	65 W
Voltage (heater)	24 V
Heat-up time	(approx.) 7s (50°C to 380°C) (120°F to 660°F)
Connection	6 pin connector, polarity protected with lock
Weight	30 g incl. cordless tip
Tip type	XNT series
Supply unit	Weller stations

5 Commissioning the device

WARNING! Risk of burns



The soldering tips of soldering irons become very hot during soldering and desoldering processes.

There is a risk of burns from touching the tips.

- ▷ Do not touch the hot soldering tips and keep them away from inflammable objects.

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1. Carefully unpack the WP 65 soldering iron.
 2. Place the soldering iron into safety rest WDH 10.
 3. Insert the connecting plug (5) into the power supply socket and lock it by turning it clockwise.
 4. Check to make sure that the mains voltage matches the voltage specified on the rating plate of the supply unit.
 5. Switch on the supply unit and set the required temperature.
 6. If the tool has not reached the required temperature. Wet the soldering tip with solder.

6 Replacing the WP 65 soldering tips

WARNING! Risk of burns



The soldering tip becomes hot during soldering and desoldering processes.

There is a risk of burns from touching the soldering tip.

- ▷ The soldering tool must be switched off and stand at least 3 min. in the safety rest (WDH 10) until the soldering tip has cooled off. Only replace the soldering tips when they are cold.
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Replacing a used soldering tip

1. Place the soldering tool in the WDH 10 safety rest.
2. Switch off the supply unit.
3. Wait three minutes until the soldering tip has cooled off.
4. Hold the soldering iron with the tip angled slightly downwards. Hold the soldering iron by the rear handle and unscrew the barrel (3) by turning anticlockwise
Pull off the barrel (3) forwards
The soldering tip (2) is now loose in the barrel (3)

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Note Do not set the soldering tip / measuring down or allow it to cool on the metal wool or plastic surfaces. When using more than one type of soldering tip, it is recommended that the soldering tip (2) and the barrel (3) be used together in the changer system (see 3, figure above).

Keep the heat transfer surfaces of the soldering tip and heating element clean. The heating element must not come into contact with soldering tin.

Inserting a new soldering tip

5. Place the soldering tip into the tip receptacle with the tip pointing forwards. Push the tip receptacle together with the soldering tip over the heating element and rotate clockwise to tighten.
6. Switch on the supply unit and set the required temperature.

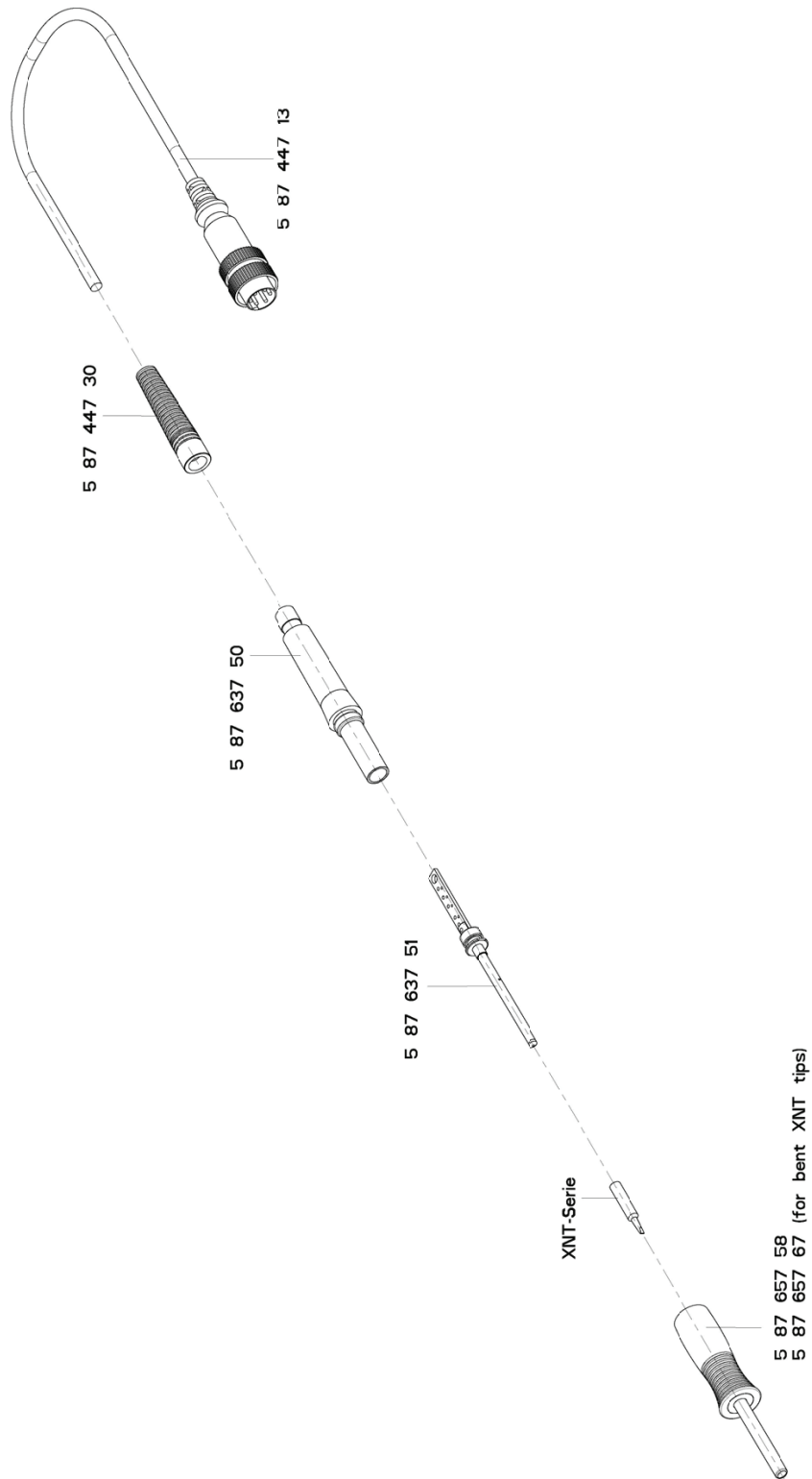
7 Accessories

7.1 XNT soldering tips for the WP 65 soldering iron

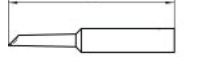
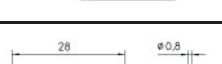
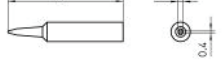
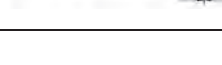
See the table XNT soldering tips for WP 65 soldering iron in the section in the back.

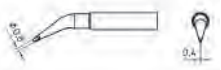
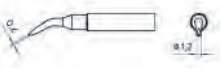
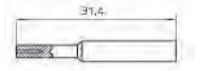
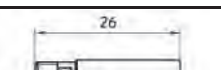
7.2 Replacement parts and accessories for WP 65

Order no.	Description
T0052921199	WP 65 soldering iron
T0051512199	WDH 10 safety rest
T0051516199	WDH 10T safety rest
T0051384199	Metal wool for cleaning element for WDC 2



XNT soldering tips for WP 65

Model		Type description	Width A inch	mm	Order no.
XNT 1		Round tip Length: 27 mm	Ø 0.0197	Ø 0,5	T005 44 850 99 T005 44 850 10
XNT 1S		Round slim tip Length: 28,5 mm	Ø 0.0079	Ø 0,2	T005 44 852 99 T005 44 852 10
XNT 1SC		Round slim tip Length: 27 mm	0.0157 x 0.0059	Ø 0,4 x 0,15	T005 44 862 99 T005 44 862 10
XNT 4		Round, sloped 45° Length: 29,5 mm	Ø 0.0472	Ø 1,2	T005 44 855 99 T005 44 855 10
XNT 6		Chisel tip Length: 29,5 mm	Ø 0.063 x 0.0157	Ø 1,6 x 0,4	T005 44 856 99 T005 44 856 10
XNT A		Chisel tip Length: 28,0 mm	Ø 0.063 x 0.0157	Ø 1,6 x 0,4	T005 44 851 99 T005 44 851 10
XNT B		Chisel tip Length: 27,0 mm	Ø 0.0945 x 0.0315	Ø 2,4 x 0,8	T005 44 857 99 T005 44 857 10
XNT C		Chisel tip Length: 27,0 mm	Ø 0.126 x 0.0315	Ø 3,2 x 0,8	T005 44 858 99 T005 44 858 10
XNT D		Chisel tip Length: 28,0 mm	Ø 0.1575 x 0.0315	Ø 4,0 x 0,8	T005 44 853 99 T005 44 853 10
XNT GW		Gull wing Length: 27,5 mm	0.059	1,5	T005 44 880 99 T005 44 880 10
XNT GW1		Gull wing Length: 33 mm	0.079	2,0	T005 44 854 99 T005 44 854 10
XNT H		Chisel tip Length: 28,0 mm	Ø 0.0315 x 0.0157	Ø 0,8 x 0,4	T005 44 859 99 T005 44 859 10
XNT K		Chisel tip Length: 28 mm	Ø 0.0472 x 0.0157	Ø 1,2 x 0,4	T005 44 860 99 T005 44 860 10
XNT AX		Chisel tip Length: 28 mm	Ø 0.063 x 0.0315	Ø 1,6 x 0,8	T005 44 864 99 T005 44 864 10
XNT 1X		Chisel tip Length 27,5 mm	Ø 0.0157	Ø 0,4	T005 44 865 99 T005 44 865 10
XNT S		Chisel tip Length: 37,5	Ø 0.0157	Ø 0,4	T005 44 868 99 T005 44 868 10
XNT 1LX			Ø 0.0079	Ø 0,2	T005 44 872 99 T005 44 872 10

Model		Type description	Width A inch	mm	Order no.
XNT HX 45°		Chisel tip Lenght: 36,5	Ø 0.0315 x 0.0157	Ø 0,8 x 0,4	T005 44 873 99 T005 44 873 10
XNT 4X 45°		Chisel tip Lenght: 34,6	Ø 0.0472 x 0.0157	Ø 1,2 x 0,4	T005 44 874 99 T005 44 874 10
XNT 1SLX 45°		Chisel tip Lenght: 39,5	Ø 0.0157	Ø 0,4	T005 44 875 99 T005 44 875 10
XNT KN		Knife Lenght: 33 mm	0.0787	2,0	T005 44 863 99 T005 44 863 10
		Measuring tip Lenght: 31,4 mm			T005 44 861 99
XNT		Screw M4 Lenght: 26,0 mm			T005 44 879 99
		Barrel			T005 87 657 58
		Barrel for bent XNT			T005 87 657 67

Order no.

T005 xx xxx 99 = 1 Piece

T005 xx xxx 10 = 10 Pieces

Subject to technical change without notice!