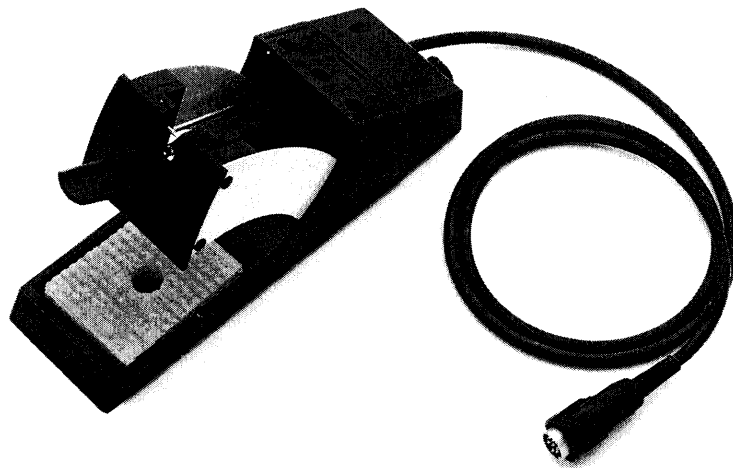


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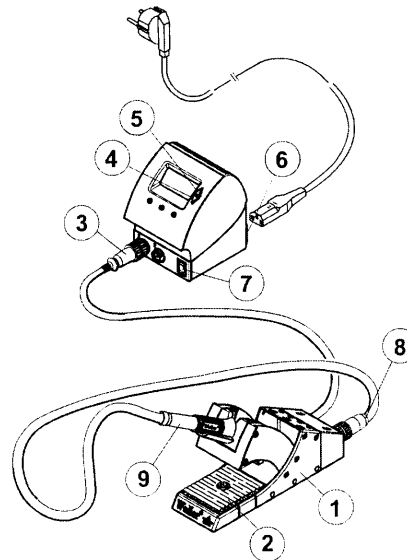
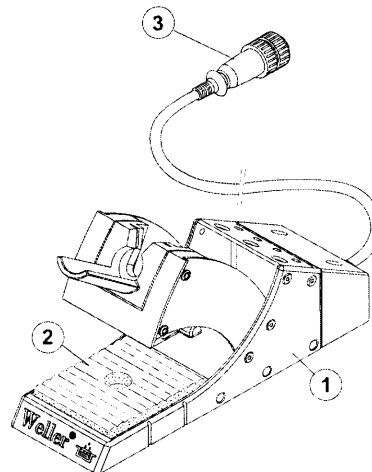
WDH 10T/20T

Operating Instructions



WDH 10T/20T
Equipment overview

- 1 Housing switching holder
- 2 Standard cleaning insert
- 3 Switching holder connection
- 4 Down button
- 5 Up button
- 6 Mains connection
- 7 Mains switch
- 8 Soldering iron connection
- 9 Soldering iron



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1 About these instructions

Thank you for placing your trust in our company by purchasing the Weller WDH 10T/20T. Production was based on stringent quality requirements which guarantee the perfect operation of the device.

These instructions contain important information for safe and correct initial operation of the switching holder WDH 10T/20T, including continued operation, maintenance and self-correction of simple faults.

- ▷ Read these Operating Instructions completely prior to initial operation of the device and before starting work with the switching holder WDH 10T/20T.
- ▷ Ensure that these instructions are accessible to all users.

1.1 Applied directives

The Weller switching holder WDH 10T/20T complies with the specifications of the EC Declaration of Conformity based on Directives 89/336/EEC and 73/23 EEC.

1.2 Further applicable documentation

- Operating Instructions of your control unit including the accompany booklet on Safety Instructions
- Operating Instructions of your soldering tool

2 For your safety

The switching holder WDH 10T/20T has been manufactured in accordance with state-of-the-art technology and the recognised technical safety regulations. In spite of this, there is a risk of injury and damage to property if the safety instructions in the enclosed safety booklet and the warning notes in these Operating Instructions

are not observed. If the switching holder is passed on to third parties, always hand over the Operating Instructions as well.

2.1 Specified use

Always use the switching holder WDH 10T/20T exclusively for the purpose specified in these Operating Instructions: for depositing the soldering tools listed below under the conditions specified in these instructions. Specified use of the switching holder WDH 10T/20T also includes

- observance of these Operating Instruction,
- observance of all other accompanying documentation,
- observance of the locally applicable accident prevention regulations.

The manufacturer shall not be liable for damage resulting from unauthorised alterations to the machine.

3 Scope of supply

WDH 10T

- Switching holder WDH 10T
- Operating Instructions WDH 10T

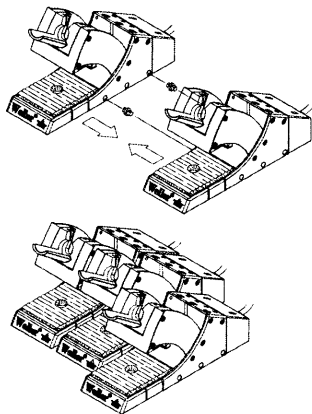
WDH 20T

- Switching holder WDH 20T
- Operating Instructions WDH 20T

WSP 80IG Set

- Switching holder WDH 10T
- Soldering iron WSP 80IG
- Operating Instructions WDH 10T

4 Device description



The Weller WDH 10T/20T switching holder, as opposed to a standard safety rest, provides a switching function that can be evaluated by the soldering station. A microswitch integrated in the switching holder is actuated when the soldering tool is deposited or removed.

When the switching holder is inserted in a **digital Weller soldering station**, automatic detection takes place and, depending on the application, the standard range of functions for temperature decrease or valve control is extended (only WAD 101).

For securing purposes, several switching holders can be connected together at the side.

4.1 Technical data WDH 10T/20T

| | |
|---------------------------|--|
| Dimensions | L x W x H (mm): 208 x 65 x 115 L x W x H (inches): 81.89 x 2.56 x 4.53 |
| Weight | 0.69 kg |
| Matching soldering tools | – WDH 10T: WSP 80, WSP 81, WP 80, WSP 80IG – WDH 20T: WMP |
| Connectable control units | WSD 81, WSD 161, WSD 151, WSD 151R, WDD 81V, WSL, WSL 2, WAD 101, WMRS, WMD 1S, WMD 3, WD 1, WD 2, WD1 M, WD 2M, WR 3M |



5 Initial operation of the switching holder

WARNING!



Risk of burns when working with soldering tools and risk of suffocation when working with inert gases.

There is a risk burning if you touch the hot soldering tool. When working with inert gases, e.g. with the WSP 80IG, there is a risk of suffocation.

- ▷ Always deposit the soldering iron in the switching holder.
- ▷ When using inert gases, ensure that room ventilation is adequate!
- ▷ If not used for long period, depressurise the pressure connection (2) of the device.

1. Carefully unpack the switching holder.
2. Ensure that the soldering station to be connected is switched off.
3. Insert the 7-pin connector (3) of the connecting cable at the soldering station and lock it..
4. Deposit the soldering iron (9) in the switching holder (1) and insert in the 7-pin pushing (8) and lock..
5. Switch on the soldering station (7).

To operate the switching holder with the inert gas soldering iron WSP80 IG, control unit WAD 101 is required. Observe the Operating Instructions of your control unit when doing this.

6 Operating the device

6.1 Temperature decrease (SETBACK) and automatic switch-off time (AUTO-OFF) with connected switching holder

The SETBACK time and AUTO-OFF time can be set at the control unit (WD1, WD2, WD1 M, WD2 M- and WR 3M devices), or are permanently specified (WSD and WMD devices).

After depositing the soldering tool in the switching holder, the temperature decreases and/or the system shuts down, depending on the setting at the control unit. The respective switching behaviour is displayed in the following table.

Tab. 1. Temperature and switch-off behaviour of the control units WD1, WD2, WD1 M, WD2 M, WR 3M, WSD and WMD with different settings of the SETBACK and AUTO-OFF functions

| Possible settings at the control unit ¹⁾ | | Temperature switching behaviour after depositing the soldering tool in the switching holder |
|---|-----------------------|--|
| SETBACK time [1-99 mins] | OFF time [1-999 mins] | |
| 0 | 0 | The soldering tool is switched off in the holder ²⁾ . |
| ON | 0 | The soldering tool is regulated in the holder ²⁾ down to STANDBY temperature ³⁾ . |
| 0 | Time | The soldering tool is switched off in the holder ²⁾ after the OFF time has elapsed. |
| ON | Time | The soldering tool is regulated in the holder ²⁾ down to the STANDBY temperature ³⁾ and is switched off after the OFF time has elapsed. |
| Time | 0 | The soldering tool is regulated in the holder ²⁾ down to STANDBY temperature ³⁾ after the SETBACK time has elapsed. |
| Time | Time | The soldering tool is regulated in the holder ²⁾ down to the STANDBY temperature ³⁾ after the SETBACK time has elapsed and is switched off after the OFF time has elapsed. |

¹⁾ With the WSD and WMD devices, only the settings 0/0 and ON/TIME are possible, whereby the respective time values for SETBACK (20 minutes) and AUTO-OFF (60 minutes) are permanently specified. With these device types, deviating SETBACK times are only possible with the external input device WCB2.

²⁾ Outside the switching holder, the soldering tool always remains at the set specified temperature. The holder function is activated after the first time the soldering tool is deposited.

³⁾ The STANDBY temperature must be below the set specified temperature; otherwise the SETBACK function is inactive.

Note Observe the Operating Instructions of your control unit when setting and switching the SETBACK and AUTO-OFF functions on and off.

6.2 Switching valve control with switching holder on/off (WAD 101)

When operating a soldering iron with inert gas and when using the switching holder, the valve control must be set at the control unit WAD 101. Two switching statuses are possible:

- **A-1:** the valve control is switched on. The valve is activated by the switching holder with the ON/OFF function. In this operating status, the SETBACK function "OFF" is not available.
- **A-0:** the valve control is switched off. The SETBACK function is available without restrictions.

Note Observe the Operating Instructions of your control unit when setting the valve control function.

7 WDH 10T/20T: maintenance and care

The sponge of the cleaning insert should be cleaned regularly to remove solder residue.

8 Fault messages and fault elimination

| Message/Symptom | Possible cause | Corrective measures |
|--|--|---|
| Soldering iron does not switch off after being deposited on holder | SETBACK time on the soldering station is activated | Soldering iron only switches off after the set time: ▷ Set the SETBACK time on the soldering station to 0. |
| | The holder is not correctly connected | ▷ Check connecting cable - Holder cable – soldering station - Soldering iron - holder |
| Soldering iron no longer switches on after removal from holder | Movable funnel or shift linkage is jammed | Check funnel and shift linkage |

9 Accessories

Dry cleaning insert WDC 2, 005 15 125 99

Spiral wool, 005 13 825 99

10 Disposal

Dispose of replaced device parts and old devices in accordance with national regulations.

11 Warranty

Claims based on defects will fall under the statute of limitations 12 months after delivery to the purchaser of the goods. This shall not apply to rights of recourse of the purchaser according to sections 478, 479 German Civil Code.

We shall only be liable in the case of a warranty we have issued if the quality or service life guarantee has been issued by us in writing with reference to the term "warranty".

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