

Weller®

WSP 80



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

Thank you for placing your trust in our company by purchasing the Weller micro-solderer WSP 80. Production was based on stringent quality requirements which guarantee the perfect operation of the device.



1. Caution!

Please read these Operating Instructions and the attached Safety Information carefully prior to initial operation. Failure to observe the safety regulations results in a risk to life and limb.

The manufacturer shall not be liable for damage resulting from misuse of the machine or unauthorised alterations.

Safety Informations

- Always place the soldering iron in the original holder.
- Remove all inflammable objects from the proximity of the hot soldering tool.
- Use suitable protective clothing. Risk of burns from liquid solder.
- Never leave the hot soldering iron unsupervised.
- Never work on voltage-carrying parts.

2. Description

The Weller micro-solderer WSP 80 features precise and quick heating to the required solder temperature. An excellent dynamic behaviour is achieved using an especially powerful 80W heater element. Together with the slimline form and the simple change of soldering bits, this soldering iron can be universally used in all situations from extremely delicate soldering to those where there is a greater temperature requirement.

With an integrated grounding connector, there is the possibility for a grounding of the solder bit if required. The anti-static handle and cables mean that the soldering iron satisfies all requirements of the ESD safety.

Technical Data

Supply Voltage:	24 V
Power Rating:	80 W
Warm Up Time:	approx. 10 sec. (50°C - 350°C)
Max. Temp.:	450°C
Usable With:	all 80 W power units

3. Installation

Place the soldering iron in the safety holder. Remove all flammable articles from around the soldering iron. Plug and lock the connector (7) into the supply unit. Set the required temperature on the supply unit. Wet the soldering bit with solder once it has heated up.

4. Grounding

If required, an grounding of the soldering bit can be created via the supply unit. The connection possibilities for grounding are described in the instructions for the supply unit.

5. Information for Operation

Changing soldering bits

- Hold the soldering iron with the bit slightly downwards.
- Loosen the knurled nut around the bit-sleeve (2).
- Pull the bit-sleeve (2) towards the front.
- The soldering bit now sits loosely in the sleeve.

Warning: Soldering bit is HOT!

Do not place or leave the hot soldering tip / calibration tip on the cleaning sponge or on plastic surfaces.

When using a number of different solder bits, it is recommended that the soldering bit and sleeve are used together as a quick change system. (see page 29)

Keep the heating element and solderin tip heat transfer surfaces clean.

Anti-static plastics containing conducting fillers are used to prevent static charge build-up. This also means that the insulating properties of the plastic are reduced.

The instructions for the use of the supply unit are valid in addition to these here.

In the case of soldering work with very low heat requirement, the reliability of the Setback function may be impaired.

6. Accessories

Soldering bits figure LT-Tips see pages 25 - 28.

Figure: Exploded Diagram, see page 30.

Subject to technical change without notice!

See the updated operating instructions at www.weller-tools.com.