

Weller®

LR 21



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Thank you for placing your trust in our company by purchasing the Weller soldering iron LR 21. 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

Our LR 21 standard soldering iron is of universal application in the electronics sector with its 50 W power rating and very wide range of bits (ET range). An integrated platinum temperature sensor and a particularly powerful 24 V heater element provide excellent dynamic temperature behaviour.

The integrated equipotential bonding wire (pin 5) can be used to avoid potential differences in the working area. By this means the soldering iron bit can be equipotentially bonded as required via the supply unit. The anti-static version of the soldering iron (handle and cord) complies with requirements for electrostatic sensitive device safety.

Technical Data

Supply Voltage:	24 V
Power Rating:	50 W
Warm Up Time:	approx. 38 sec. (50°C - 350°C)
Max. Temp.:	450°C
Usable With:	WD 1, WD 1M, WD 2, WR 2, WR 3M, WAD 101, WAD 101IG, WDD 81V, WSD 81, WSD 151, WS 51, WS 81

3. Placing into Operation

Put the soldering iron in the safety stand. Remove all flammable materials from the immediate vicinity of the soldering iron. Plug the connector into the supply unit and lock. Switch on the supply unit and adjust the temperature as required.

Once the warm up period is over, wet the tip with a some solder.

4. Equipotential Bonding

The possible ways of connecting the equipotential bonding wire are described in the operating instructions for the supply unit.

5. Information on Use

● Changing the Tip

Hold the soldering iron with the tip upwards. Undo the hex nut on the tip sleeve (tool 5 87 060 43 is available as an accessory).

Careful, the soldering iron tip is hot!!

Remove the soldering iron bit.

The sensor is built into a corrosion-resistant stainless steel body. For the optimal transfer of heat the tip of this body is of a tapered shape that is precisely matched to the soldering iron bit. Please ensure that this interface is not impaired by dirt, foreign bodies, or damage since this will affect the precision of temperature regulation.

- Anti-static plastics contain a conductive material to prevent static charging. This reduces the insulation properties of the plastic. Work must not be carried out on live parts.
- The operating instructions for the supply unit used are supplementary to these operating instructions.

6. Spare Parts

For drawing, see page 25.

7. Accessories

Soldering iron tips, see page 21-24.

Subject to technical change without notice!

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