

Soldering Unit PUD 151R

Soldering Iron LR 82



Weller Info No. 13

Soldering Unit PUD 151R
The station for use in conjunction
with solder robots



Soldering Iron LR 82
Electronically temperature controlled
soldering iron for high mass soldering



Soldering Unit PUD 151R

The Weller PUD 151R, digital soldering unit, is specially designed for use in industrial manufacturing operations where an automated process is used for soldering jobs.

The PUD 151R is fitted with a temperature monitoring circuit and, depending on the adjustable temperature window (tolerance width), a potential free contact will run low resistances. The temperature monitoring circuitry is used to control SPS or other machine controllers and ensures that the iron temperature can only move within the set temperature window. By preventing temperature changes outside the set window the number of defective solder joints made by the iron are minimised.

The digitally controlled electronics of the PUD 151R allow different soldering tools to be optimally controlled. The temperature window is digitally programmable and easy to select and adjust. An automatic plunger switch continually monitors for any problem or defect in the heater unit and the current production job, this ensures that, at all times, the solder joints are of the optimum quality.

The PUD 151R has an automatic recognition function which allows it to identify different Weller irons, when attached to the unit, and assign the appropriate control parameters.

LR 82 Iron with HAT 2 Soldering Tip

The LR 82 soldering iron, fitted with the HT 2 soldering tip, is specifically designed for use with the PUD 151R on soldering jobs with a high heat demand. The LR 82 is fitted with a lock mechanism which ensures the iron tip is kept in the same position at all times. The iron also has a spring locked heating element. The Weller LR 82 soldering iron is designed to give the optimum soldering quality.

HER
**Heating element for applications
 with limited space**



HER

The HER heating element is designed for use with the WSP 80 iron on robotic soldering applications where there is limited working space. This heating element has, like the LR 82 above, a twist lock function, which aligns the soldering tip, after fitting, in exactly the same position.

Technical data:

PUD 151R

Soldering Station digital 150 W, 230 V for use with solder robots

- Potential free contact 24 V / 20 mA for solder robot controls
- Digital controlled electronics for soldering tools up to 150 W
- Automatic tool recognition
- Temperature range 150°C–550°C
- 3-position digital display
- Calibration box WCB 2 can be connected for CALIBRATION, LOCK OUT and OFFSET functions
- Protection class 1
- Antistatic housing
- Equipotential bonding (normal state hard grounded)
- Dimensions: 166 x 115 x 101 mm (L x B x H)

Order No.: **005 32 786 70**

LR 82

Electronic temperature controlled soldering iron for high mass soldering

- Soldering Iron 80 W, 24 V with soldering tip HT 2

Order No.: **005 26 152 99**

HER

WSP 80 Heating Element for soldering robot applications in combination with PUD 81R and PUD 151R

Order No.: **005 87 447 38**

Impressum

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