

Special application for use in solder robots

The soldering station PUD 151R is suitable for soldering tasks in industrial manufacturing in which the soldering process is to be automated. For this purpose the unit is equipped with a monitoring circuit. As function of an adjustable temperature window (tolerance band) an un-powered contact is reduced to a low impedance. Straight forward, easy operation is made possible with the usage of a micro processor. Digital control electronics ensure optimal regulation behaviour with different soldering irons upto 150 W. The soldering irons are automatically recognized by the soldering station and assigned the appropriate control parameter.



Technical Data



WX 1



WX 2



PUD 151R

Dimension L x B x H	170 x 151 x 130 mm (6,69 x 5,94 x 5,12 inch)		166 x 115 x 101 mm
Weight	ca. 3,2 kg		
Channels	1	2	1
Power supply	230 V 50 Hz		230 V
Power consumption	200 W		200 W (255 W)
Protection class	I		1 Unit
Temperature range	Adjustable 50–550 °C (150–999 °F); adjustable temperature range varies among tools		150°C – 450°C
Temperature accuracy	± 9 °C (± 17 °F)		± 9°C (± 11°C bei 550°C)
Temperature stability	± 2 °C (± 4 °F)		± 5°C
Equipotential bonding	Via 3.5 mm pawl socket on back of device (normal state hard grounded)		
Material touch panel	Made of antistatic coated material		
Dimensions touch panel	74 x 38 mm		
Resolution	255 x 127 (128) dots		
Display backlighting	yes		LED
Equipotential bonding	<p>The 3.5 mm switch box offers four different options:</p> <ul style="list-style-type: none"> a) Hard grounded without plug (original delivery) b) Equipotential bonding: with plug, compensating line on center contact c) Potential free: with plug d) Soft grounded: with plug and soldered resistor grounded via selected resistor 		
USB-interface	USB interface in front for firmware updates, parameterization and monitoring USB interface supports all standard USB flash drive types		No
	2 further interfaces to connect Weller accessories		
ESD safe	yes	yes	yes
Order-no.	T005 34 176 99	T005 34 206 99	T005 32 786 70

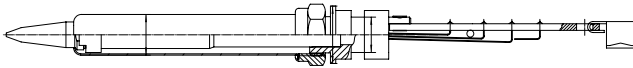
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PUD 151R

- Temperature window adjustable $\pm 99^{\circ}\text{C}$
- Temperatur control via buttons
- 3-position digital display
- Calibration unit WCB 2 connectable (see page 78)
- Automatic tool recognition
- Digitally controlled electronic for soldering tools upto 150 W

Order-no.	Model	Description
T00 32 786 70	PUD 151R	Power unit, 1 channel, 150W

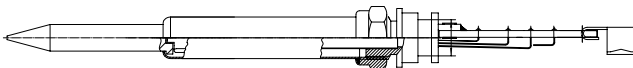


HER 80 Heating element

Order-no.	Model	Description
T005 87 447 38	HER 80	Heating element 80 W for solder robots applications with PUD 151R

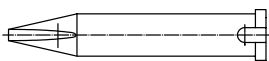
LT Soldering tips for HER 80

Order-no.	Model	Description	Width	Thickness	Length
Soldering tips for HER 80 with twist lock					
T005 44 441 99	LTR A	Chisel tip	1,6 mm	0,8 mm	17 mm
T005 44 422 99	LTR B	Chisel tip 1,5 mm wettable	2,4 mm	0,8 mm	17 mm
T005 44 422 71	LTR B	Chisel tip 6,0 mm wettable	2,4 mm	0,8 mm	17 mm
T005 44 433 99	LTR C	Chisel tip	3,2 mm	0,8 mm	17 mm
Special tips on request					



HER 120 Heating element

Order-no.	Model	Description
T005 87 637 30	HER 120	Heating element 120 W for solder robot application with PUD 151R



XT Soldering tips for HER 120

Order-no.	Model	Description	Width	Thickness	Length
Soldering tips for HER 120 with twist lock					
005 44 723 99	XTR A	Chisel tip	1,6 mm	0,7 mm	36,0 mm
005 44 724 99	XTR B	Chisel tip	2,4 mm	0,8 mm	35,0 mm
005 44 725 99	XTR C	Chisel tip	3,2 mm	0,8 mm	35,0 mm
005 44 726 99	XTR D	Chisel tip	4,6 mm	0,8 mm	34,5 mm
005 44 727 99	XTR E	Chisel tip	5,9 mm	1,2 mm	34,5 mm
005 44 728 99	XTR M	Chisel tip	3,2 mm	1,2 mm	39,0 mm

Cord for HER 80 / 120

Order-no.	Model	Description
T005 87 447 13		Cord for HER 80 / 120