kurtz ersa

ACCESSORIES AND PROCESS MATERIALS.

GLOBAL. AHEAD. SUSTAINABLE.

INFRARED HEATING PLATES

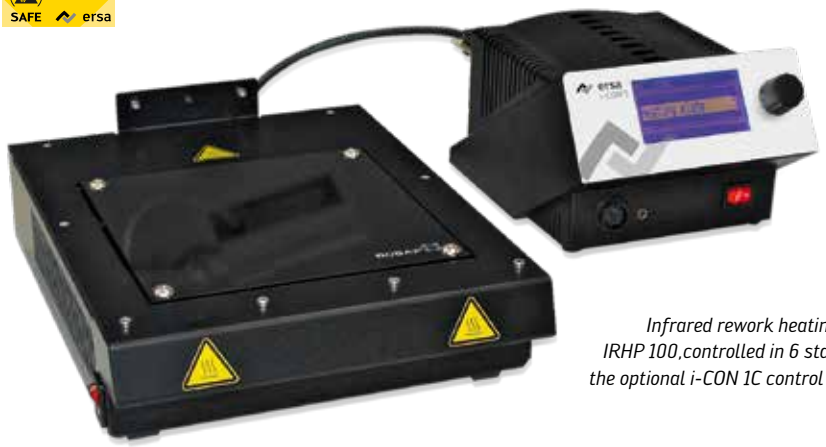
IRHP 200 and IRHP 100 A

The Ersa **IRHP 200** is a compact and ergonomically designed heating plate to preheat all SMD components as well as assemblies and substrates during the hand soldering process. It can also be used to reflow solder one-sided SMD boards and for reballing BGAs.

The IR emitters´ even heat distribution ensures non-contact, gentle heating of the assembly. Thus the IRHP 200 is perfectly suited for lead-free applications.

The control station can be placed independently from the heating plate on the workbench in an ergonomically favorable way.

Electronically temperature-controlled infrared rework heating plate IRHP 200 with integrated thermocouple, incl. control station 0RA4500D



Infrared rework heating plate IRHP 100,controlled in 6 stages via the optional i-CON 1C control station

The Ersa **IRHP 100 A** infrared heating plate offers bottom-side PCB preheating for hand soldering, desoldering and touch-up applications. The safe and powerful medium wavelength IR heating technology offers a tremendous benefit to today's workbench.

Working temperatures of the soldering tools can be greatly reduced. Lower tip temperatures decrease the risk of PCB damage while at the same time greatly increasing tip lifetime. The heating plate is controlled by either the i-CON 1C or the i-CON 2C.

Order information:

Order no.	US-Version 115 V	Description	Heated area (L x B)	Dimensions (L x B x H)	Rating/ Voltage	Weight*
0IRHP200		IRHP 200 infrared rework heating plate with control station 0RA4500D	260 x 135 mm	300 x 250 x 90 mm	max. 800 W/ 230 V~, 50 – 60 Hz	approx. 4 kg
0IRHP100A-03	**0IRHP100A-04**	IRHP 100 A infrared rework heating plate	125 x 125 mm	200 x 260 x 53.5 mm	250 W (Stufe 6) 230 V~(115 V~), 50 – 60 Hz	approx. 2.6 kg

*without cable

SOLDER BATHS

Solder bath T 04

Solder bath T 11

Solder bath T 07

Solder bath T 50 S

Ersa solder baths are electrically heated melting pots for solders. The high-capacity ceramic heating elements are exchangeable and mounted on the pot. They are thermally insulated from the external sheet metal housing.

The **T 02**, **T 03**, **T 04**, **T 05**, **T 06** and **T 07** solder baths can be switched to half-power operation. Thanks to the high temperature of approximately 600 °C the T 02 and T 07 baths are especially suitable for tin plating enameled copper wires.

All solder baths are supplied with a 1.5 m connecting cable. To enhance solder quality as well as to reduce oxide formation, and for energy-saving reasons, we recommend the RA 4500 D temperature regulator together with one of the temperature sensors mentioned below.

The **T 50 S / T 10 S** mini solder baths are primarily used for tin-plating stranded wire braids, connecting leads and cable lugs. The heat-resistant special color (order no. 4HMFARBE1) can be applied to the crucible as a protection against corrosion and wetting.

Temperature regulator

Order information:

Order no.	US-Version 115 V	Description	Rating/ Voltage	Tempera-ture	Dimensions in mm (L x W x D)	Capacity	Weight	Heating elements
0T55		Solder bath T 50 S	65 W/230 V	300 °C	28 x 20 x 13	approx. 40 g	370 g	1 pc. 0051T001
0T56	**1T5600A068**	Solder bath T 10 S	130 W/230 V	340 °C	60 x 30 x 25	approx. 185 g	615 g	1 pc. 0151B0
0T02		Solder bath T 02	240 W/230 V	600 °C	25 Ø; 47 D	approx. 125 g	1,200 g	1 pc. 0241T0
0T03		Solder bath T 03[2]	360 W/230 V	430 °C	100 x 30/15[1] x 55	approx. 1,000 g	2,300 g	2 pcs. 05X100
0T04		Solder bath T 04	400 W/230 V	410 °C	52 x 52 x 84	approx. 1,900 g	3,900 g	4 pcs. 05X100A1
0T05		Solder bath T 05	500 W/230 V	440 °C	86 x 68/20[1] x 90	approx. 2,850 g	3,400 g	2 pcs. 08X800
0T06		Solder bath T 06	1000 W/230 V	560 °C	120 x 80 x 60	approx. 4,800 g	5,200 g	6 pcs. 05X100P2
0T07		Solder bath T 07	1200 W/230 V	600 °C	90 x 90 x 100	approx. 6,400 g	5,500 g	4 pcs. 08X800A5
0T11		Solder bath T 11	1600 W/230 V	450 °C	300 x 60 x 50	approx. 7,500 g	8,000 g	8 pcs. 05X100A3

[1]Tapered solder pot. [2]VDE tested, all other solder baths are produced according to VDE standards.

TEMPERATURREGLER

RA 4500 D

The **RA 4500 D** temperature regulator can be operated with various solder baths. The solder baths can be connected to the regulator through simple plug connectors. With its five operating programs, the RA 4500 D's easy program selection allows the user to change quickly between different solder baths.
The station can also be used for simple temperature measurements (Pr5) by means of the temperature sensor (option). Its wide variety of features and great control precision (especially with Ersa solder baths) makes the RA 4500 D especially suitable for production processes with high quality requirements.

RA 4500 D with optionally available temperature sensor F008

Order information:

Order no.	Description	Connected load / voltage	Tolerance	Temperature range	Switch
0RA4500D	Temperature regulator RA 4500 D	3000 W/230 V, 50 – 60 Hz	max. ±2 %	50 – 600 °C	2-position with P-characteristics
0F007	Temperature sensor, 8 mm ø				
0F008	Longlife temperature sensor, 3 mm ø				

TEMPERATURE MEASURING DEVICE

DTM 100

In certified businesses and from a quality standpoint, regular checks of the soldering tip temperature are obligatory. Ersa soldering stations are extremely temperature-stable over their entire service life.

Also available with calibration certificate

Possible differences between the set and actual value due to differences in tips or to slight heating element tolerances in the RESISTRONIC control system can be easily ascertained with the **DTM 100** temperature measuring device and corrected easily and fast on nearly all Ersa soldering stations.

The measurement is conducted by cleaning the heated soldering tip and wetting it with new solder. The soldering tip is then put on the sensor wires. As soon as the display has stabilized the temperature is determined.

The DTM 100 is equipped with a patented sensor unit (K-type) with sensor wires made of chromel and alumel. It provides exact temperatures of even finest soldering tips.

Order information:

Order no.	Description	Measuring range	Operating temperature	Power supply	Dimensions without sensor unit	Weight
0DTM100	DTM 100 temperature measuring device, packed in a plastic case	-50 – 1.150 °C	0 – 45 °C	9 V flat battery 6F22	100 x 60 x 26 mm	approx. 134 g
0DTM100P	DTM 100 temperature measuring device with calibration certificate, packed in a plastic case	-50 – 1.150 °C	0 – 45 °C	9 V flat battery 6F22	100 x 60 x 26 mm	approx. 134 g