

ERSA Miniature Soldering Irons

The **Minor S (5 W)** and **Minityp S (6 W)** miniature soldering irons with ERSADUR tips are suitable for the finest-detailed soldering work on micro-circuits. The Minor can be operated with a 6 V transformer or a 6 V battery. Besides electronics, the Minor can also be used in watch repair, in the photographic industry and in dental technology. The Minityp can be operated with a 12 V battery.

Minor S

042 soldering tip series see page 40



Minityp S

012 soldering tip see page 40



Order no.	Description	With soldering tip	Rating / Voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0045BDG	Minor S soldering iron	0042BD, ERSADUR	5 W / 6 V	12 s	approx. 440 °C	6 g
0015BDH	Minityp S soldering iron	0012BD, ERSADUR	6 W / 12 V	20 s	approx. 390 °C	7 g

ERSA Microsoldering Irons

The ERSA **Multitip** series covers a wide range of applications. It stands out by its low weight and compact design (short distance between soldering tip and the handle's front part). The handle stays relatively cool while soldering. The Multitip is available for **8**, **15** and **25 W** and suitable for both micro-soldering joints and medium-sized soldering, as on distributor strips. Long-life and industrially tested PTC heating elements and internally heated soldering tips in the 15 / 25 W version provide high efficiency and fast heat supply.

Tip 260 is also heated in this especially efficient way. **16 W** power and slim design make this soldering iron an ideal aid when working on electronic assemblies in places difficult to access.

Multitip C15

162 soldering tip series see page 44



Multitip C25

172 soldering tip series see page 44



Tip 260

162 soldering tip series see page 44



Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0900BD	Multitip 08 soldering iron	0132BD, ERSADUR	8 W / 230 V	approx. 90 s	approx. 290 °C	26 g
0910BD	Multitip C15 soldering iron	0162BD, ERSADUR	15 W / 230 V	approx. 60 s	approx. 350 °C	28 g
0920BD	Multitip C25 soldering iron	0172BD, ERSADUR	25 W / 230 V	approx. 60 s	approx. 450 °C	34 g
0260BD	Tip 260 soldering iron	0162BD, ERSADUR	16 W / 230 V	approx. 60 s	approx. 350 °C	40 g

ERSA Universal Soldering Irons

Thanks to its large range of tips, the ERSA **Multi-Pro** is the ideal soldering iron when great flexibility is required. The device has a heat-resistant connecting cable. Internally heated tips provide a high level of efficiency. **ERSA 30 S**, the best selling and most tried and tested universal soldering iron, is known the world over for its sturdiness and longevity. It can be used in a variety of ways for soldering tasks in handicrafts, service and hobbies. Delivery includes a practical, easily mounted rubber stick-on support disk. The ERSA 30 S is also available with **40 W**.

Multi-Pro

832 / 842 soldering tip series see page 38 / 39



ERSA 30 S*

032 soldering tip series see page 43



*also available with heat-resistant cable, order no. 0330KD0028

Also available as soldering set packed in a practical plastic case (s. page 11)

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0930CD	Multi-Pro soldering iron	0832CDLF, ERSADUR	20 W / 230 V	approx. 5 min	approx. 430 °C	60 g
0330KD*	ERSA 30 S soldering iron	0032KD, ERSADUR	30 W / 230 V	approx. 2 min	approx. 380 °C	80 g
0340KD	ERSA 30 S soldering iron	0032KD, ERSADUR	40 W / 230 V	approx. 2 min	approx. 420 °C	80 g



ERSA Standard Soldering Irons

ERSA 50 S

052 soldering tip series
see page 43



ERSA 80 S

082 soldering tip series
see page 43



ERSA 150 S

152 soldering tip series
see page 43



The tried and proven soldering irons of the **ERSA 50 S / 80 S / 150 S** series are designed for soldering operations with a greater heat requirement, as, for example, on copper conductors with a cross-section of 2.5 mm² (ERSA 50 S, 50 W) to 6 mm² (ERSA 150 S, 150 W).

The devices are supplied with an angled soldering tip as standard. Thanks to their elaborately generated "protective coating", ERSADUR tips have a much longer service life than their simple mates.

Other areas of application of the ERSA standard soldering irons include soldering thin sheet metal and lead glazing (ERSA 150 S).

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0055JD	ERSA 50 S soldering iron	0052JD, ERSADUR	50 W / 230 V	approx. 3 min	approx. 400 °C	160 g
0085JD	ERSA 80 S soldering iron	0082JD, ERSADUR	80 W / 230 V	approx. 3 min	approx. 410 °C	220 g
0155JD	ERSA 150 S soldering iron	0152JD, ERSADUR	150 W / 230 V	approx. 3 min	approx. 450 °C	245 g

ERSA Workshop Soldering Irons

ERSA 550

552 MZ and 552 MD soldering tip series
see page 43



ERSA 200 / 300

202 / 302 MZ and 202 / 302 MD soldering tip series see page 43



The **ERSA 200, 300 and 550** hammer soldering iron series are especially suitable for sheet metal processing, installation work and for soldering commutators and copper bus bars.

Hammer soldering irons have also proven their merit in automotive body adjustments and lead glazing.

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0200MZ	ERSA 200 hammer soldering iron	0202MZ, nickel-plated	200 W / 230 V	approx. 5 min	approx. 470 °C	550 g
0200MD	ERSA 200 hammer soldering iron	0202MD, ERSADUR	200 W / 230 V	approx. 5 min	approx. 470 °C	550 g
0300MZ	ERSA 300 hammer soldering iron	0302MZ, nickel-plated	300 W / 230 V	approx. 5 min	approx. 470 °C	870 g
0300MD	ERSA 300 hammer soldering iron	0302MD, ERSADUR	300 W / 230 V	approx. 5 min	approx. 470 °C	870 g
0550MZ	ERSA 550 hammer soldering iron	0552MZ, nickel-plated	550 W / 230 V	approx. 7 min	approx. 600 °C	1,770 g
0550MD	ERSA 550 hammer soldering iron	0552MD, ERSADUR	550 W / 230 V	approx. 7 min	approx. 600 °C	1,770 g

ERSA High-Speed Soldering Irons

The ERSA **Multi-Sprint** is an extremely light, transformer-independent solder gun with a heat-up rating up to **150 W** and an ergonomic design.

In combination with the internally heated ERSADUR long-life soldering tip, the Multi-Sprint's PTC heating element offers especially high performance. The short heat-up time makes it ideal for high-speed series soldering. The Multi-Sprint is heated only as long as the button is pressed.

The large selection of tips of the 832 / 842 series afford a wide range of applications, and not just in service and repairs.

Multi-Sprint

832 / 842 soldering tip series
see page 38 / 39



Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0960ED	Multi-Sprint solder gun	0832EDLF, ERSADUR	150/75 W / 230 V, 50 - 60 Hz	approx. 20 s	subject to how long the button is pressed	100 g

ERSA Power Soldering Iron with Temperature Control

The ERSA **Multi-TC** is a powerful, sturdy, temperature-controlled universal soldering iron with a precise temperature sensor located directly under the internally heated soldering tip. This temperature sensor registers the actual temperature in the immediate vicinity of the solder joint. The heating system can then immediately react to the heat loss and re-heat extremely fast. The high preheating power with the internal PTC heating element provides unusually fast heating. The high heating efficiency and the large selection of soldering tips and inserts serve both filigree applications in electronics and applications with standard soldering irons with power up to 150 W. Examples are classical lead glazing and Tiffany methods. By dispensing with a heavy transformer and thanks to its heat-resistant connecting cable, the ERSA Multi-TC is especially suitable for mobile use in service, maintenance and repairs.



Multi-TC

832 / 842 soldering tip series see page 38 / 39
Tiffany-Set see page 11

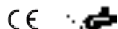


The 832 / 842 soldering tip series make the Multi-TC a proper all-rounder

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0760CD	Multi-TC soldering iron	0842CD	75 W at 350 °C / 230 V, 50 - 60 Hz	approx. 34 s	250 °C - 450 °C	60 g

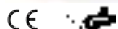


ERSA Soldering Iron Sets



Electronics Start-up Set, 15 W

cons. of Multitip C15 sold. iron, 0162BD / 0162KD tips, holder 0A19, antist. desold. pump, desold. wick, soldering guide and 7 g of solder. **162 soldering tip series see page 44.**



Multitip-Workbox, 25 W

consisting of Multitip C25 soldering iron with soldering tips 0172LD / 0172BD, tool holder 0A18, antistatic desoldering pump and 7 g of solder, packed in a sturdy plastic case. **172 soldering tip series see page 44.**



ERSA 30 S Workbox

consisting of ERSADUR 30 S (40 W) soldering iron, tips 0032KD / 0032BD, support disc 3N194, holder 0A18, antist. desold. pump, 7 g of solder and sponge packed in a sturdy plastic case. **032 soldering tip series see page 43.**

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Max. soldering tip temperature	Weight (w/o cable)
0910BD0035	Electronics Start-up Set	0162BD, 0162KD	15 W / 230 V	approx. 60 s	approx. 350 °C	28 g
0920LD0035	Multitip Workbox	0172LD, 0172BD	25 W / 230 V	approx. 60 s	approx. 450 °C	34 g
0340KD0035	ERSA 30 S Workbox	0032KD, 0032BD	40 W / 230 V	approx. 2 min.	approx. 420 °C	80 g

With the ERSADUR Start-up-Set or the workboxes, you can begin your soldering work right away. Besides the ERSADUR's "made in Germany" quality soldering iron, you will have an additional ERSADUR long-life soldering tip, solder wire, tool holder, cleaning sponge and even an antistatic desoldering pump.

The **Electronics Start-up Set** with its **15 W** Multitip soldering iron also includes a comprehensive soldering guide with helpful information all about soldering.

The **Multitip Workbox** and the **ERSA 30 S Workbox** come with a practical plastic case. The case can be used for both storage and transport. The ERSADUR 30 S delivers **40 W** of power, while the internally heated Multitip with PTC heating element has **25 W**.

ERSA Power Tiffany-Set

ERSA Power Tiffany-Set

Multi-TC with 0832VD soldering tip, chisel-shaped, 5.0 mm and additional 0832VD soldering tip; tool holder; 100 g of Tiffany solder, Sn60Pb, 3 mm ø; 25 ml of liquid flux and sponge packed in a practical plastic case.

832 / 842 soldering tip series see page 38 / 39



The ERSADUR **Tiffany soldering set** is not only for beginners wanting to start work right away; light and slim, equipped with state-of-the-art control technology, the Multi-TC soldering iron replaces ordinary, uncontrolled irons with an output of up to **150 W**. The ERSADUR SENSOTRONIC control system with the PT 1000 temperature sensor inside the soldering tip and near the soldering track immediately reacts to any heat loss. Practically delay-free reheating is ensured. The line voltage operated Multi-TC soldering iron with control electronics integrated in the handle has a heat-resistant connecting cable. The practical plastic case contains Tiffany solder, liquid flux, a sponge and tool holder, besides the Multi-TC soldering iron itself.

Order no.	Description	With soldering tip	Rating / voltage	Heating time	Temperature range	Weight (w/o cable)
0760VD0025	Tiffany soldering set	0832VD, ERSADUR	75 W (350 °C) 230 V, 50 - 60 Hz	approx. 55 s (280 °C)	250 °C - 450 °C	60 g