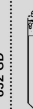
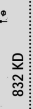
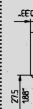
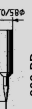
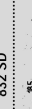
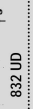


ERSA ELS 8000

ELS 8000



Please ask for our tip sheet with additional tips!

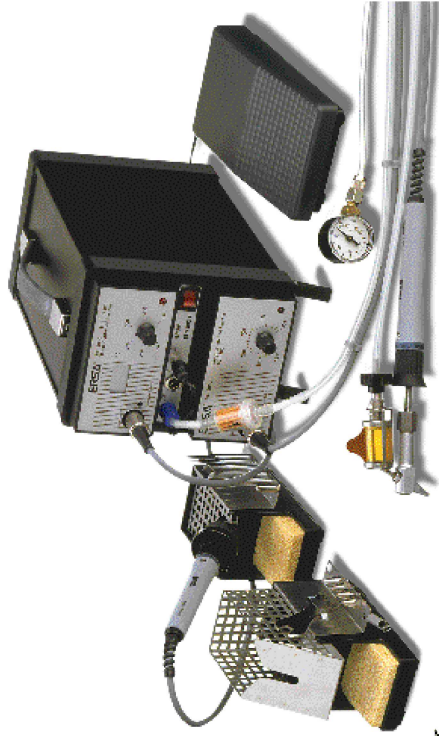


Fig.: ERSA ELS 8000 M with optional soldering and desoldering tips

Electronically temperature-controlled soldering and desoldering station

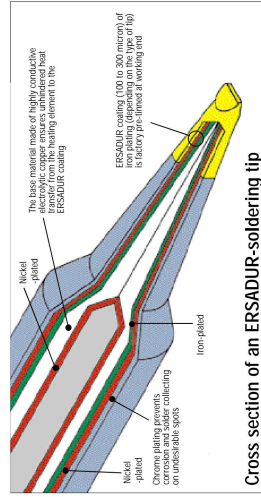
The electronically temperature-controlled ERSA ELS 8000 soldering and desoldering station is suitable for a wide range of applications for industrial, laboratory and repair work. The ELS 803 H supply unit incorporates a high-power vacuum/compressor unit to make the station independent from compressed air supply. The station also features an integrated 230/24 V mains supply providing connection of two control units. The electronic control units TCS 800 and TCS 800 D (with digital temperature display) are mounted to the supply unit. The temperature of the soldering tip can be adjusted on a continuous scale between 150°C (302°F) and 400°C (752°F).

The station's electronics control measures the actual temperature by means of a thermocouple located near the tip of the soldering or desoldering iron and compares it to the set temperature. The operating status is LED-displayed. The sensitive electronics adjust the heating energy to the operating status (idle or load), depending on temperature difference and heat requirements. The soldering or desoldering tip is provided with an integrated high-resistance connection to the potential equalization socket.

In addition, the 810 CDJ soldering iron is extremely powerful, thanks to its ceramic glass tube and holder. A knurled screw provides easy and quick removal of solder gathered in the solder compartment. The device is galvanically isolated from the mains supply by means of a safety transformer and operates at a low voltage of 24 V.

The electronics control provides for zero crossing energy supply. A potential equalization socket providing a high-resistance connection to the desoldering tip (or soldering tip) is installed on the front of the control unit.

This socket ensures easy integration of the desoldering iron (or soldering iron) into the potential equalization of the workplace.



Cross section of an ERSADUR-soldering tip

The solder compartment incorporates a heat-resistant glass tube and holder. A knurled screw provides easy and quick removal of solder gathered in the solder compartment. The device is galvanically isolated from the mains supply by means of a safety transformer and operates at a low voltage of 24 V.

The electronics control provides for zero crossing energy supply. A potential equalization socket providing a high-resistance connection to the desoldering tip (or soldering tip) is installed on the front of the control unit.

This socket ensures easy integration of the desoldering iron (or soldering iron) into the potential equalization of the workplace.

Technical data:
 ELS 803 H supply unit with integrated vacuum/compressor unit
 Rating: 240 W
 Supply voltage: 230 V ~
 Secondary voltage: 24 V ~
 Fuse: 1 AT 0.5 x 20 mm (0.02 x 0.78 in)
 Flow rate: max. 7 l/min max.
 TCS 800 electronic control unit
 Voltage: 24 V ~
 Adjustment range: continuous between 150°C (302°F) and 400°C (752°F)
 Temperature adjustment: variable or fixable
 Function display: LED
 TCS 800 D electronic control unit with digital display, see TCS 800
 Temperature display: actual value in °C with 3-digit LCD display
 810 CDJ soldering iron Basic tool 80
 Rating: 80 W at 350°C/662°F
 Heating time: appr. 35 s
 Weight (without cable): 52 g / 1.83 oz
 Cable: 1.5 m / 4.9 ft silicone

For high heat requirements

- 1.2 662 AE
- 1.0 662 BE
- 0.8 662 CE
- 1.2 662 AL
- 1.0 662 BL
- 0.8 662 CL
- 1.2 662 AN
- 1.0 662 BN
- 0.8 662 CN
- 1.8 662 DN

820 AEJ desoldering iron
 Rating: 80 W at 350°C/662°F
 Voltage: 24 V ~
 Heating time: appr. 90 s
 Weight (without cable): appr. 1.35g/4.76oz
 Cable: 1.5 m / 4.9 ft silicone
 Suction tube: 1.5 m / 4.9 ft silicone
 FES 820 tool switch
 Voltage: 24 V, 6 A

Order nos.:

ELS 8000 Soldering and desoldering station with two TCS 800 control units
ELS 8000 M Soldering and desoldering station with TCS 800 and TCS 800 D control unit
ELS 8000 D Soldering and desoldering station with two CS 800 D control units
 and for each ELS 8000 model:
ELS 803 H Supply unit
 80 W soldering iron with 832 CD long-life sold. tip
820 AEJ Desoldering iron
FES 820 Foot switch

The 607 AC desoldering head is suitable for reliable and quick batch desoldering of wire-ended high-mass or multi-layer components.

The 820 AEJ desoldering and 810 CDJ soldering iron can be retrofitted with the 607 AC desoldering head.



Soldering iron not included

ERSA special desoldering head for desoldering with major heat requirements

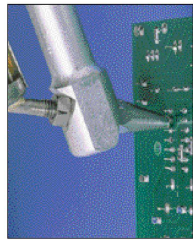
The 607 AC desoldering head is suitable for reliable and quick batch desoldering of wire-ended high-mass or multi-layer components.

The 820 AEJ desoldering and 810 CDJ soldering iron can be retrofitted with the 607 AC desoldering head.

A 09
 SH 01
 A 13
 SH 02
 VM 01
 3 N 090
 Spare parts:
 81100J
 82100J
 Heating element for 810 CDJ and 820 ACJ

Accessories:

602 TE Mini solder bath
 607 AE Desoldering head



Order nos.:

607 AC Copper desoldering head complete

SH 03
 SH 01
 SH 02
 A 25
 A 09
 A 13

TC 40
 CTA 20
 HSP 80
 810 CDJ
 820 AE
 HSP 80

Control units
 TCS 800 P
 HRS 800 P
 TCS 800
 TCS 800 D
 ELS 803 H
 24V/0.5VA
 Safety transformer
 ELS 803 H
 24V/0.5VA
 Vacuuming unit for 2 control units
 ELS front switch
 HCS 800 G
 HSP 80

Supply units
 SH 80
 24V/0.5VA
 Safety transformer
 ELS 803 H
 24V/0.5VA
 Vacuuming unit for 2 control units
 ELS front switch
 HCS 800 G
 HSP 80

Holders
 SH 03
 SH 01
 SH 02
 A 25
 A 09
 A 13

ERSA modular system for more flexibility and higher profitability

The ERSA modular system, tailor-made for a great variety of applications, was designed to increase the multi-functionality of soldering and desoldering stations. The individual modules can be combined according to the specific requirements.

Simple tool changing turns soldering systems into desoldering systems and vice versa. A real advantage for ERSA clients.