

Microprocessor-Controlled Digital 80 Watt Soldering Station



Fig.: Microprocessor-controlled digital power soldering station

The digital power soldering station with microprocessor control and fantastic price/performance ratio !

The digital soldering station ERSA RDS 80, offers the established and proven ERSA RESISTRONIC heating technology with a generous 80 watts of power.

With this unique temperature control technology, the ceramic PTC heating element (Positive Temperature Coefficient) replaces the function of the thermocouple. This guarantees very fast preheating due to high initial power and fast heat recovery for a stable soldering process.

The very high heating power and the largest range of soldering tips allow for great flexibility in handling all applications.

The heating system with interior heated soldering tips has the highest thermal efficiency. The newly constructed ergonomic handle, the new design of the housing, and the big digital multi-function display leave nothing to be desired!

Precise temperatures can be selected between 150°C and 450°C (302°F - 842°F), and with a touch of a button, 3 fixed temperatures or 2 fixed temperatures and one stand-by temperature can be programmed and selected.



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In addition, the station offers a power bar graph display, a calibration capability, and an automatic power-off function. Finally, the potential equalization jack (with integrated 220 kΩ resistor) allows the system to be grounded to the desired resistance of the working environment.

Power, Precision, Comfort and Safety-
the ERSA RDS 80 offers the *best Bang for your Buck!*

ERSA product range

Soldering tools

- Soldering / desoldering stations
- SMD equipment
- Hand soldering tools
- Gas soldering irons
- Solder baths
- Special tools
- Accessories

BGA/SMT Rework

IR Rework Center

- IR/PL 550 A
- IR/PL 650 A

Hybrid Tool HR 100 A

Inspection Systems

- ERSASCOPE
- ImageDoc Software

Soldering Systems

Wave soldering

- ETS series
- EWS series
- N-Wave series
- POWERFLOW series

Reflow soldering

- HOTFLOW series

Selective soldering

- VERSAFLOW series

Process Software

- EPOS
- CAD Assistant

Paste Printing

- VERSAPRINT series

Accessories

- Solder bar & wire
- Solder paste
- Flux

Other Services

- Know-How Seminars
- In-house training
- Test soldering
- Installation and maintenance assistance
- Process support

Microprocessor-Controlled Digital 80 Watt Soldering Station**Technical data:****Electronic station RDS 803**

Supply voltage: 230 V / 50 Hz
 Secondary voltage: 24 V ~
 Power: 80 VA
 Control technology: RESISTRONIC
 temperature regulation

Temperature range: 150°C - 459°C
 302°F - 842°F

Temperature accuracy: 0°C after
 calibration

Display resolution: 1°C / 1°F
 Cable: 2 m PVC
 Fuse: 0.63 A delayed action
 Station dimensions: 110 x 105 x 147 mm
 (W x H x D)

Permissible ambient
 temperature: 0 - 40°C / 32 - 104°F
 Weight: approx. 2 kg

Soldering iron RT 80 with soldering tip 842 CD

Voltage: 24 V ~
 Power: 80 W at 350°C
 (662°F)
 Preheating power: 290 W
 Preheating time: approx. 40 s
 (to 280°C / 536°F)

Cable: 1.5 m PVC,
 Weight: approx. 130 g

Holder RH 80

Weight: approx. 400 g

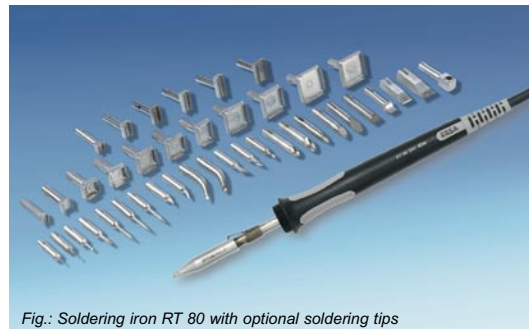
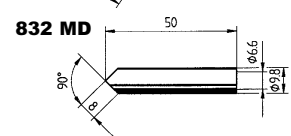
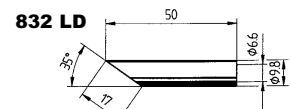
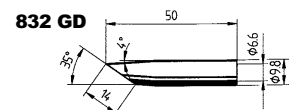
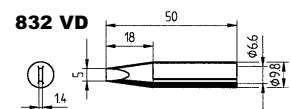
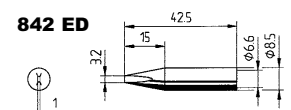
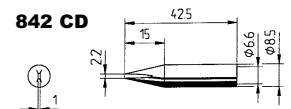
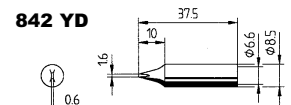
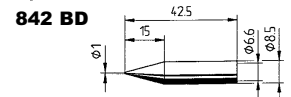
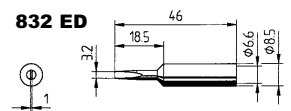
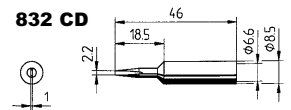
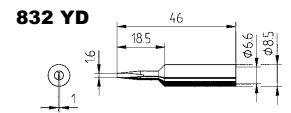
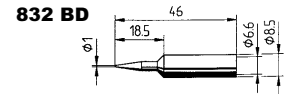


Fig.: Soldering iron RT 80 with optional soldering tips

**Excerpt of
832/842 soldering tip series**

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