

**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.



Fig.: Microprocessor-controlled digital power soldering station

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****NEW DIMENSION**

- Soldering / desoldering stations
- SMD-Equipment
- Accessories

**PROFI-LINE**

- Soldering / desoldering stations
- Hand soldering tools
- Battery-powered / gas soldering irons
- Solder baths
- Special tools

**BGA/SMT-Rework**

- IR Rework Center
- Placing systems
- Reflow process camera

**CLEAN-AIR**

- Solder fume tip extraction
- Solder fume arm extraction

**Soldering systems**

- Wave soldering machines
- Reflow soldering machines
- Selective soldering machines
- Process optimization software

**Inspection systems**

- ERSASCOPE
- ImageDoc Software

**Other services**

- Know-how seminars
- In-House trainings
- Test soldering
- Installation and maintenance assistance
- Process support

**Microprocessor-controlled Digital 80 Watt Soldering Station**

original size

**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: 110x105x147 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,  
 ultra-flexible  
 Weight: approx. 130 g

**Holder RH 80**

Weight: approx. 400 g

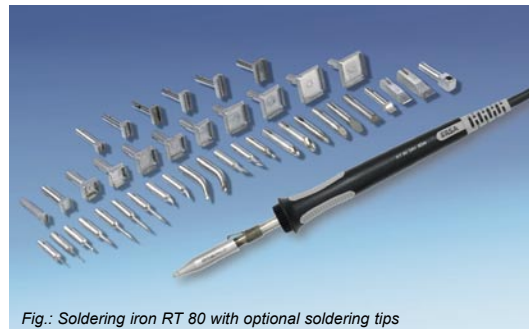
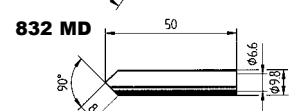
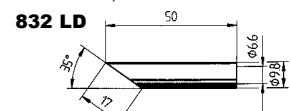
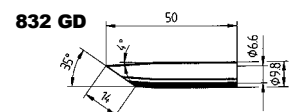
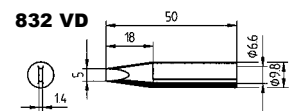
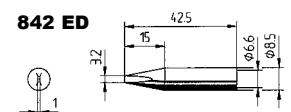
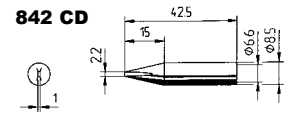
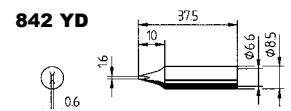
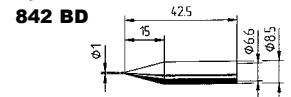
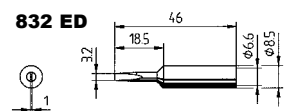
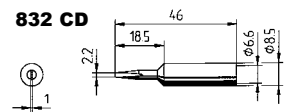
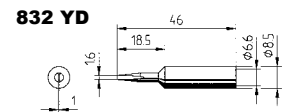
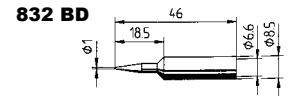


Fig.: Soldering iron RT 80 with optional soldering tips

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

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