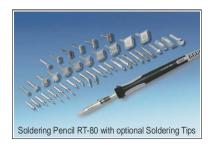# Ersa RDS-80 Microprocessor Controlled Digital Soldering Station

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

SONA Technologies
reliable performance, dependable service

ERSA
GLOBAL CONNECTIONS
Germany

Soldering Pencil RT-80 with optional Soldering Tips

Scope of Supply:

- RDS-803 Power & Control Unit
- RT-80 Soldering Iron with 2.2mm Tip
- RH-80 Iron Holder
- Cleaning Sponge

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.

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 integraded 220 kΩ resistor) allows the system to be grounded to the desired resistance of the working environment.

Specifications:

Supply voltage	: 230 V / 50 Hz
Secondary voltage	: 24 VAC
Power	: 80 VA
Control technology	: Resistronic temperature regulation
Temperature range	: 150°C- 450°C (302°F - 842°F)
Temperature accuracy	: 0°C after calibration
Display resolution	: 1°C / 1°F
Station dimensions	: 110 x 105 x 147 mm
Weight (Control Unit)	: approx. 2 kg
Weight (Soldering Pencil)	: approx. 130 grams

Features:

- Three fixed temperature settings possible at touch of button
- Power bar graph display
- Digital calibration
- Auto Power off
- Grounding via potential equalization jack

Standard Tips for RDS-80

	Description	Tip Size	Part Number
	Conical type	0.4mm	0832UD
	Chisel type	1.6mm	0832YD
	Chisel type	2.2mm	0832CD
	Chisel type	3.2mm	0832ED
	Sloped type	4.0mm	0832NDLF
	SMD type	-	0832PW