



ERSA RDS 80 Soldering Station



The ERSA RDS 80 digital soldering station offers ERSA RESISTRONIC temperature control, tried and proven for many years and now with 80 W heating power. The ceramic PTC heating element (positive temperature coefficient) acts as the temperature sensor in this control system and ensures extremely fast heating thanks to the high initial output. The very high heating power and the large selection of soldering tips allow a very wide range of applications. The heating system with the internally heated soldering tips has a high thermal efficiency. The redesigned ergonomic handle, the new housing design and the large, digital multifunctional display don't leave much to be desired. Besides the arbitrary temperature selection between 150°C and 450°C, 3 fixed temperatures or 2 fixed temperatures and one standby temperature can be programmed. The device also has a calibrating and power-off feature, in addition to a power bar graph display. The potential equalization socket (with an integrated 220 kΩ resistor) allows the soldering tip to be equalized with the workplace potential. The RT 80 soldering iron has a sprayed-on, flexible PVC connecting cable; for changing the tips we recommend tip changing tool 3 ZT 00164 (see page 40).



RDS 80

with RT 80 soldering iron, ERSA RESISTRONIC control system
832 and 842 series see page 45 / 46



Order no.	Description	Rating / Voltage	Heating time	Temperature range	Weight (with cable)
0RDS 80	RDS 80 soldering station complete	80 W / 230 V, 50 - 60 Hz /24 V		150°C - 450°C	
	with RT 80 soldering iron 0890 CDJ, soldering tip 0842 CD and tool holder 0A 39	105 W (280°C)	approx. 40 s (280°C)		approx. 130 g



Potential equalization socket



Application example



Multifunctional display



RT 80: very slim soldering iron featuring a large selection of soldering tips