

ERSA DIGITAL 2000 A Soldering Station

The ERSA **DIGITAL 2000 A** is a top-class microprocessor-controlled soldering station distinguished by its flexibility and multifunctionality. It is antistatic according to the MIL-SPEC / ESA standard and is designed for industrial use where high quality is demanded and for repairs and laboratory applications.

The device can alternatively be operated with various soldering and desoldering tools. Besides the Power tool and Tech tool universal soldering irons, the Micro tool micro-soldering iron, the Desoldering Pincette 40 and the X-Tool desoldering iron can be connected.

The tools are automatically detected when inserted and the control characteristics accordingly adapted. The soldering and desoldering tips are therefore always connected with high impedance to the front-installed potential equalization socket.

The station is easy to operate and user friendly. The desired temperatures, the unit of temperature (°C/°F), the standby time of 0 to 60 minutes, a tip offset and calibration feature and a three-character password-controlled lock can all be set with just three buttons and a simple menu guide. The energy feature allows you to influence the heat-up and reheating characteristics.

In addition, the soldering station has 4 programs. Each program can be separately and differently configured with the aforementioned functions.

A fixed program is assigned to each soldering and desoldering tool. The station automatically changes the program in case of a tool change. Optimal use, especially in combination with the Tool Selector (see page 29) is then ensured.

If only one tool is used, all programs can also be used. A 5th program slot contains



DIG 20 A 84

with Power tool soldering iron and ERSA SENSOTRONIC control system
832 and 842 soldering tip series see page 45 / 46

Wide range of soldering tips!

Power tool

with ERSA SENSOTRONIC control system
832 and 842 soldering tip series see page 45 / 46



Tech tool

with ERSA SENSOTRONIC control system
612 soldering tip series see page 48



Micro tool

with ERSA RESISTRONIC control system
212 soldering tip series see page 50



SMD Desoldering Pincette 40

with ERSA RESISTRONIC control system
422 desoldering tip series see page 49



X-Tool

with ERSA SENSOTRONIC control system
722 desoldering tip series see page 47





Multifunctionality combined with Comfort



DIG 20 A 64

Tech tool soldering iron and ERSA SENSOTRONIC control system
612 soldering tip series see page 48



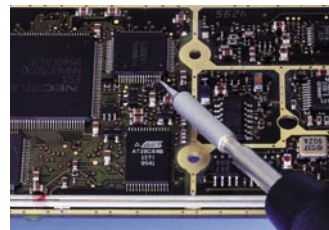
a temperature measuring function. For this purpose the temperature sensor DIG 207 is required.

The calibration feature allows the actual soldering tip temperature to be precisely adjusted to the temperature shown in the LED display. For this purpose a suitable soldering tip temperature measuring device, such as the ERSA DTM series (see page 39), is required.



DIG 20 A 27

Micro tool soldering iron and ERSA RESISTRONIC control system
212 soldering tip series see page 50



The ERSA DIGITAL 2000 A soldering station regulates the temperature through a digital PID algorithm, optimized for very precise and fast temperature control.

All connectable soldering and desoldering devices have enormous power reserves thanks to the PTC heating elements located inside the tips.

At a peak temperature of 280°C the following power is available, for example:

- Power tool – 105 W
- Tech tool – 70 W
- Micro tool – 30 W
- Desoldering Pincette – 2 x 30 W
- X-Tool – 120 W.

These power reserves also ensure safe and top-quality soldering and desoldering results.



DIG 20 A 43

with Desoldering Pincette 40 and ERSA RESISTRONIC control system.
422 desoldering tip series see page 49



All soldering and desoldering tools are operated at the low voltage of 24 V and have a highly flexible, heat-resistant and antistatic connecting cable.

For tip changes we recommend the tip exchanger 3 ZT 00164 with flat nose pliers and side cutter (see page 40).

Order no.	Description	Rating / Voltage	Heating time	Temperature range	Weight (w/o. cable)
0DIG 20 A 84	DIGITAL 2000 A electronic station complete with Power tool soldering iron 0840 CDJ, with soldering tip 0842 CD and tool holder 0A 29	80 W / 230 V, 50 - 60 Hz / 24 V 80 W (350°C)	approx. 40 s (280°C)	50°C - 450°C	approx. 50 g
0DIG 20 A 64	DIGITAL 2000 A electronic station complete with Tech tool soldering iron 0640 ADJ, with soldering tip 0612 AD and tool holder 0A 29	80 W / 230 V, 50 - 60 Hz / 24 V 60 W (350°C)	approx. 12 s (280°C)	50°C - 450°C	approx. 50 g
0DIG 20 A 27	DIGITAL 2000 A electronic station complete with Micro tool soldering iron 0270 BDJ, with soldering tip 0212 BD and tool holder 0A 29	80 W / 230 V, 50 - 60 Hz / 24 V 20 W (350°C)	approx. 50 s (280°C)	50°C - 450°C	approx. 25 g
0DIG 20 A 43	DIGITAL 2000 A electronic station complete with SMD Desoldering Pincette 40 - 0430 EDJ, with tips 0422 ED and tool holder 0A 30	80 W / 230 V, 50 - 60 Hz / 24 V 2 x 20 W (350°C)	subject to tips	50°C - 450°C	approx. 75 g