Ersa **soldering station DIGITAL 2000 A**

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 MILSPEC/ESA standard and designed for industrial use where high quality is demanded and for repairs and laboratory applications.

The station can alternatively be operated with various soldering and desoldering tools. Besides the POWER TOOL and TECH TOOL universal soldering irons, the MICRO TOOL microsoldering iron and the CHIP TOOL desoldering tweezers can be connected.

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

By just three buttons and a simple menu guide 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.

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 31), is required.

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 tip temperature of 280 °C the following power is available, for example:

- POWER TOOL – 105 W
- TECH TOOL – 70 W
- MICRO TOOL – 30 W
- CHIP TOOL – 2 x 30 W

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 3ZT00164 with flat nose pliers and side cutter (see page 32).

DIG20A84

with POWER TOOL soldering iron and Ersa SENSOTRONIC control system
Soldering tip series 832 and 842 see page 40, fig. with 0A08MSET

POWER TOOL

with Ersa SENSOTRONIC control system
Soldering tip series 832 and 842 see page 40

TECH TOOL

with Ersa SENSOTRONIC control system
Soldering tip series 612 see page 41

MICRO TOOL

with Ersa RESISTRONIC control system
Soldering tip series 212 see page 42

CHIP TOOL

with Ersa RESISTRONIC control system
Desoldering tip series 422/452 see page 43

Order no.	Description	Rating/ Voltage	Heating time	Temperature range	Weight (w/o cable)
0DIG20A84	DIGITAL 2000 A electronic station, complete, with	80 W/230 V, 50 – 60 Hz/24 V		50 °C – 450 °C	1.25 kg
	POWER TOOL soldering iron 0840CDJ with	80 W (350 °C)	approx. 40 s (280 °C)		approx. 50 g
1DIG20A840A67	soldering tip 0842CDLF and holder 0A42, complete	**80 W/115 V, 50 – 60 Hz/24 V**			
0DIG20A64	DIGITAL 2000 A electronic station, complete, with	80 W/230 V, 50 – 60 Hz/24 V		50 °C – 450 °C	
	TECH TOOL soldering iron 0640ADJ with	60 W (350 °C)	approx. 12 s (280 °C)		approx. 50 g
1DIG20A640A67	soldering tip 0612ADLF and holder 0A42, complete	**80 W/115 V, 50 – 60 Hz/24 V**			
0DIG20A27	DIGITAL 2000 A electronic station, complete, with	80 W/230 V, 50 – 60 Hz/24 V		150 °C – 450 °C	
	MICRO TOOL soldering iron 0270BDJ with	20 W (350 °C)	approx. 50 s (280 °C)		approx. 25 g
1DIG20A270A67	soldering tip 0212BDLF and holder 0A42, complete	**80 W/115 V, 50 – 60 Hz/24 V**			
0DIG20A45	DIGITAL 2000 A electronic station, complete, with	80 W/230 V, 50 – 60 Hz/24 V		150 °C – 450 °C	
	CHIP TOOL desoldering tweezers 0450MDJ with	2 x 20 W (350 °C)	subject to tips		approx. 75 g
1DIG20A450A67	tips 0452MDLF020 and holder 0A43, complete	**80 W/115 V, 50 – 60 Hz/24 V**			