

ELEKTRA S



The **ELEKTRA S** is a universal electro-welding machine, suitable for pressure piping systems and characterized by a frequency-switched power supply and low weight. This machine is designed to weld electro welded fittings with voltage 8-48V to 200mm* (230V) / 315mm* (110V).

The machine contains:

- An impact-resistant plastic housing
- The "Defender" protection system against rain, dust and dirt.
- A built-in memory of 4000 welding reports. Possibility to download welding reports in PDF, CSV and BIN format, thanks to the USB port. For the BIN format it is necessary to install RITMO transfer software. It is also possible to connect an ESC-POS printer to the USB port, so that reports can be printed on site.
- A 2.4" LCD Screen with a handy control panel with up to 20 different languages
- 90° universal connectors of 4.0-4.7mm, no adapters needed
- Laser scanner (no marker), so that the barcode can be easily read in and the parameters are read automatically (according to ISO 13950). The scanner's laser technology improves reading quality in case of light reflection or severe contrasts. The parameters can also be set manually (Voltage/Time) or via the barcode number.
- Traceability ISO 12176-3 (operator) and ISO 12176-4 (fitting/tube)
- A built-in GPS (version **ELEKTRA S GPS**)
- A manual scraper
- A transport case.

TECHNICAL DATA

		ELEKTRA S	ELEKTRA S GPS
Range *		20 - 200 mm	20 - 200 mm
Materials		HDPE, PP	HDPE, PP
Power supply		230 V	230 V
Output voltage weld	V	8 - 48 V	8 - 48 V
Total power consumption **	W	1800 W	1800 W
Recommended generator		3.5 / 4 kVA	3.5 / 4 kVA
Max. output current	A	70 A	70 A
60 % Duty cycle output ISO 12176-2	A	45 A	45 A
Noise level	lpa	< 70 dBA	< 70 dBA
Ambient temperature	°C	-20°C / 50°C	-20°C / 50°C
Ambient temperature accuracy	%	+/- 1%	+/- 1%
Degree of protection		Ip54	Ip54
Cable connectors		90° universal 4.00-4.7 mm	90° universal 4.00-4.7 mm
"Defender" protection against rain and dust		Yes	Yes
Manual scraper		Yes	Yes
Laser scanner barcode		Yes	Yes
Reading marker barcode		-	-
Manual input of voltage/time		Yes	Yes
Manual barcode entry		Yes	Yes
USB port		Yes	Yes
Memory		4000	4000
Report file format		PDF – CSV - BIN	PDF – CSV - BIN
GPS		-	Yes
Traceability ISO 121176-3 (operator)		Yes	Yes
Traceability ISO 121176-4 (fitting/tube)		Yes	Yes
Sound alarm		Yes	Yes
Error recognition		Yes	Yes
Languages		20	20
Dutch		Yes	Yes
Dimensions machine-base	L x W x H	246 x 390 x 240 mm	246 x 390 x 240 mm
Case dimensions	L x W x H	290 x 445 x 295 mm	290 x 445 x 295 mm
Machine weight	Kg	5.75 kg	5.75 kg
Machine weight + cables	Kg	8.4 kg	8.4 kg
Suitcase weight	Kg	4.3 kg	4.3 kg
Total weight	Kg	12.7 kg	12.7 kg

* range may be different depending on the fitting brand. Check with the manufacturer the power supply and welding time that is needed.

** at 60% duty cycle

MACHINES

96906514	ELEKTRA S (230V - 1~)
96906519	ELEKTRA S - GPS (230V - 1~)

OPTIES

88080040	Printer
81422030	USB Software RITMO Transfer

SPARE PARTS

72957900	Air Filter
65000420	Aluminum Transport Case
33152800	Protection Bag for Scanner
84306906	Scanner Bar Code Reader with Cover Bag
81577307	Universal Adapter PIN 4-4.7mm