



ELEKTRA M

ELEKTRA M is an universal electrofusion machine characterized by high performance and reduced weight. It is available in two different power supplies: 230V and 110V. The welding machine has been designed to weld EF fittings up to OD 315* mm (230 V version) or 500* mm (110 V version) for PE, PP, PP-R high pressure pipelines. It can weld EF fittings within the range 8 ÷ 48 V.

Why buy from UPG

- Technical assistance offered before sale and after sale
- Servicing of all machines done here in NZ by UPG. No requirements to send your machine offshore or deal with a subcontractor for repairs
- Free onsite team training with any butt welder purchase once machine is delivered
- Common parts for repairs stocked in NZ for quick turnaround
- Extensive associated product range for all welding equipment

Features:

- High resistance technopolymer shell
- "Defender" protection system against dust and rain complete of removable filter
- Lifting handle and cable wrapping
- In-built memory of 4000 welding report
- Possibility to download the welding report thanks to the USB port in PDF, CSV, BIN format. For BIN format it is necessary the RITMO transfer software. The USB port is also used to upgrade the welding machine firmware and to plug the ESC- POS printer to get immediately the welding report printed on site.
- 2,4" LCD Graphic display
- Intuitive control panel with the possibility to customize the menu with 20 different languages
- 90° universal connectors 4.0-4.7mm, no need of adapters
- Laser scanner in order to read the EF fitting barcode and to set automatically the welding parameters according to the ISO 13950. The laser technology of the scanner enhances the reading quality in case of severe light reflections or contrasts. It is also possible to enter manually both the welding parameters (Voltage/Time) and the welding barcode digits.
- Traceability: ISO 12176-3 Operator traceability; ISO 12176-4 Fitting/ pipe traceability
- In-built GPS device (on request)



Standard Composition



90° Universal connectors
4.0-4.7mm



Laser Scanner



Manual scraper



Carrying case

On Request



Software
Ritmo Transfer

Technical Features

Model	ELEKTRA M
Working range *	20 ÷ 500 mm 110 V* 20 ÷ 315 mm 230 V*
Materials	PE, PP, PP-R
Welding output voltage	8 ÷ 48 V
Power supply	110 V ±15% Single Phase 50/60 Hz 230 V ± 15% Single Phase 50/60 Hz
Absorbed power **	2200 W (110 V) 2300 W (230 V)
Max. output current	80 A (110 V) 100 A (230 V)
60% Duty Cycle output ISO 12176-2	60 A
Operating mode	ISO 13950 welding barcode Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding report
Ambient temperature	-20° ÷ 50° C;
T° probe precision	± 1° C
Traceability	ISO 12176-3 ISO 12176-4
Protection degree	IP 54
Languages	20
Overall dimensions, machine body	246 x 390 x 240 mm
Overall dimensions, carrying case	290 x 445 x 295 mm
Weight machine body	6,55 Kg
Weight, machine body + welding and power supply cable + laser scanner	9,2 Kg
Recommended generator to cover the complete working range	5,5 ÷ 6 kVA

PLUS

**HIGH
PERFORMANCE**

**PDF WELDING
REPORT**

**RESISTANT AGAINST
GENERATOR POWER
SURGES**

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and the welding time required.

** Power at 60% Duty Cycle



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