

ELECTROFUSION WELDING MACHINE

Electrofusion welders are universal devices used for joining pipes and fittings of thermoplastics (PE, PP, PVDF PB) by resistance method using electrofusion fittings. They are used in the construction and repair of gas pipelines, water pipelines, sewage systems, industrial installations. Thanks to the automatic welding process, the execution of welding is easy, and the resulting connection is characterized by high quality and reliability. The device is very popular among installers making connections of objects to gas and water supply networks.

ZERN-1500

Welding machine without welding parameters recording system

TECHNICAL PARAMETERS

Approximate range of welded diameters	~Ø160mm
Power supply	AC 230 [V](+10/-15%), 50[Hz](+10%)
Max fitting power	~1500 W
Weight	12 kg
Dimensions	390 x 240 x 160 mm
Welding voltage	8÷44V
Max. starting current	70 A
Max. weldings current (60%)	30 A
Working temperature	-5/+40 °C
Interchangeable welding adaptors	Ø4, Ø4.7 [mm]
Protection class	IP 54
Barcode scanner	Optional (wired, wireless)
Memory	X
Manual entry of additional text	X
Manual entry of gps coordinates	X
Automatic entry of gps coordinates	X
Suggested power generator	3 kW
Built-in rechargeable battery	✓
Possibility of data transmission on a memory stick	X
Possibility of printing the protocol	X
Calibration reminder	✓
Traceability function	X
Graphic display (128x128 px)	✓
Possibility of manual programming	✓
Available data transmission ports	USB A, USB B, M12
Automatic welding time compensation	✓
Available user language	PL, EN, RU, FR, RO, TR, HU, DE, NE, ESP, UK
SMARTWELD app	X
Power plug	16A 2P
Possibility of software update by the user	✓
Active fan cooling system	X
Welding and power cables	3m/3m



ABOUT

The device supports fittings used in the plumbing and gas industry. It allows four programming modes: manual, scanner, barcode manually, as recently. Permanently mounted in a metal transport box, which protects against mechanical damage, sand, rain, and also guarantees convenient transportation of the device. Simple and clear operation of the sealing machine control program. Possibility to connect a barcode scanner (equipment option). Transformer temperature measurement system, protecting the welder from overheating.

OPTIONAL EQUIPMENT

- Hand scraper
- Barcode scanner
- Cleaning wipes for welded joints
- Pipe crimper ZRRN-90 (Ø32÷90mm)
- Mounting clamps with joint (PUZN-90L) and (PUZN-160L)
- Pipe scissors (Ø16÷63mm)
- Pipe cutter (Ø6÷76mm)
- Pipe cutter (Ø50÷140mm)
- Pipe cutter (Ø110÷160mm)
- Pipe beveler (Ø16÷110mm)
- Pipe beveler (Ø32÷250mm)
- Mechanical pipe scraper ZWUN (Ø32÷160mm)
- Hydraulic crimper ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
- Quick assembly shelter tent 3x3 [m]
- Power generator FOGO FH3001R with voltage stabilisation system (3 kW)

