

ELECTROFUSION WELDING MACHINE

Electrofusion welding machines are universal devices for joining pipes and fittings of thermoplastics (PE, PP, PVDF PB) by resistance method using electrofusion fittings. Thanks to the automatic conduct of the welding process, the execution of welding is easy, and the completed connection is characterized by high quality and reliability. The equipment is ideal for the construction of new networks and the repair or expansion of existing networks. Dedicated to water supply units, municipalities and private companies that will meet the largest diameters of PE pipelines. Small dimensions and low own weight make the device user-friendly and should be included in the equipment of each welding brigade.

ZERN-5000

Welding machine without welding parameters recording system

TECHNICAL PARAMETERS

Approximate range of welded diameters	~Ø1200mm
Power supply	AC 230 [V](+10/-15%), 50[Hz](+10%)
Max fitting power	~5000 W
Weight	22 kg
Dimensions	270 x 260 x 340 mm
Welding voltage	8÷48V
Max. starting current	110 A
Max. weldings current (60%)	80 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	10 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, GER
SMARTWELD app	X
Power plug	32A 2P+Z
Possibility of software update by the user	✓
Active fan cooling system	✓
Welding and power cables	4m/4m



ABOUT

The device supports fittings used in the plumbing and gas industry. It allows four programming modes: manual, scanner, barcode manually, as recently. The welder's aluminum housing and built-in fan facilitate transformer cooling. It comes with a plywood transport box, which protects against mechanical damage and also guarantees convenient transportation and storage of the device. Simple and clear way to operate the control program of the welding machine. Possibility to connect a barcode scanner (equipment option). Transformer temperature measurement system, protects 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)
- 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 scraper (Ø75÷200mm)
- Hydraulic crimper ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
- Quick assembly shelter tent 3x3 [m]
- Power generator FOGO FH6001R with voltage stabilisation system

