

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-3000 PLUS

Welding machine without welding parameters recording system

TECHNICAL PARAMETERS

Approximate diameter range	~Ø1200 mm
Power supply	AC 230 [V](+10/-15%), 50[Hz](+10%)
Max power	~5000 W
Weight	21 kg
Dimensions	270 x 270 x 330 mm
Welding voltage	8÷48V
Max starting current	110 A
Max welding current (60%)	80 A
Working temperature	-5/+40 °C
Interchangeable welding adaptors	Ø4, Ø4.7 mm
Protection class	IP 54
Barcode scanner	Optional (wired or wireless)
Memory	X
GPS registration (Aerial)	X
Possibility of printout of welding protocol	X
Suggested power generator	8 kW
Built-in battery	X
Transmission of elding data onto USB stick	X
Communication with PC	USB cable
Calibration reminder	✓
Automatic compensation of welding time	✓
Traceability	X
LCD dysplay (2x16)	✓
User languages	PL, EN, RU, HU, RO, IT, LT, ESP, NO, CZ, SK, DE, FR, NE, LV, UA
Possibility of manual programming	✓
Available data transmission ports	USB type A, USB type B, M12
Posibility of software update by user	✓
Output/power supply cables	4 m/4 m
Power plug	32A 2P + Z
Active fan cooling system	✓



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 cooling of the transformer. 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

