

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-2000 PLUS

Welding machine without welding parameters recording system

TECHNICAL PARAMETERS

Approximate diameter range	~Ø400mm
Power supply	AC 230 [V](+10/-15%), 50[Hz](+10%)
Max power	~3400 W
Weight	21 kg
Dimensions	430 x 280 x 180 mm
Welding voltage	8÷48V
Max starting current	95 A
Max welding current (60%)	55 A
Working temperature	-5/+40 °C
Interchangeable welding adaptors	Ø4, Ø4.7 mm
Protection class	IP 54
Barcode scanner	Optional (wired or wireless)
Memory	✗
GPS registration (Aerial)	✗
Possibility of printout of welding protocol	✗
Suggested power generator	5 kW
Built-in battery	✗
Transmission of elding data onto USB stick	✗
Communication with PC	USB cable
Calibration reminder	✓
Automatic compensation of welding time	✓
Traceability	✗
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	16A 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 manual, as last. 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 welding machine control programme. 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) 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 (Ø63÷400mm)
- Hydraulic crimper ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
- Hydraulic crimper ZHRN-225 (Ø110÷225mm) SDR11 and SDR17
- Quick assembly shelter tent 3x3 [m]
- Power generator FOGO FH7001R with voltage stabilisation system (6,2 kW)

