

SPARTUS® MasterMIG 250PFC Synergy

SYNERGY MIG 3 in 1



PRELIMINARY INFORMATION

SPARTUS® MasterMIG 250 PFC SYNERGY is a professional, portable, multi-process welding semi-automatic device. It enables MIG/MAG, TIG and MMA welding with maximum welding current of 250A. The unit is powered from a single-phase network 230V.



DEVICE DESCRIPTION

The device was produced with using of modern solutions such as inverter technology, IGBT power transistors, MCU controller, PWM technology, PFC filter. All of our technology solutions provide stable output performance under a variety of conditions, which has a direct effect on outstanding arc characteristics and welded joint quality. The device has a number of functions that support MIG / MAG welding processes (Wave Control, Burn Back, Slow Feed). Compact size, special design and high protection of the device housing provide increased resistance to humidity, salinity and corrosion, making it ideal for shipbuilding - minor repairs and site overhaul. Thanks to its excellent parameters, it can also be used for light manufacturing and service work in other industries.



EXAMPLES OF USE

- workshop works,
- site repairs,
- automotive - car body repairs,
- silencer welding,
- manufacturing,
- light industry,
- shipbuilding - repair works.

Videopresentation of products

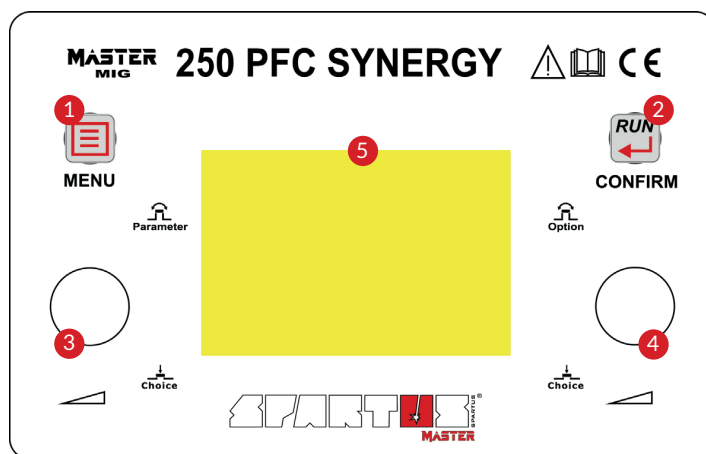


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● TECHNICAL PARAMETERS

Input	~1 x 230V ±10% 50 / 60 Hz
Welding current MIG [A]	25 – 250
Duty cycle MIG [%]	60
MIG PARAMETERS	
Output working voltage MIG [V]	26,5
Wire feeding speed [m/min]	2,5 – 16,5
Wire feeder	built-in, 4-roll gear
Welding wire spool [kg]/[mm]	≤ 15 / Ø300
Wire diameter Ø [mm]	0.6 / 0.8 / 1.0 / 1.2
Synergic	✓
Synergic programs	20 dedicated
Inductance control	0 - 10
Brazing (CuSi)	✓
Slow feed	0 - 10
Burnback	0 - 10
2T/4T Control	✓
TIG PARAMETERS	
TIG DC welding	✓
Welding current TIG [A]	10 – 250
Duty cycle TIG [%]	60
Down slope [s]	0 – 10
Post-gaz	0 – 10
Arc ignition	Lift
MMA PARAMETERS	
MMA welding mode	✓
Welding current MMA [A]	10 – 250
Duty cycle MMA [%]	60
ARC FORCE	0 – 10
HOT START	0 – 10
No-load voltage [V]	14
OTHER	
PFC	✓
Current consumption [A]	27
Power factor (cosφ)	0,99
Efficiency η [%]	85
Insulation class	H
Protection class	IP23
Weight [kg]	23
Dimensions [mm]	620 × 240 × 450

● FUNCTION PANEL

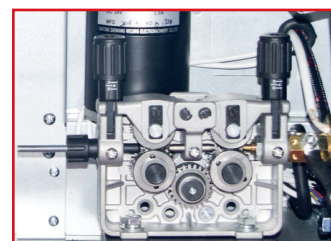


Functional panel is equipped with a 480x320px colour LCD with an intuitive user interface. It is possible to select one of several language (Czech, Serbian, Lithuanian, French, Slovenian, Russian, Portuguese, German, Spanish, English) versions of the control software. By default, Polish language version of the interface is set.

1. Screen selection - menu
2. Submit of parameters
3. Selection / parameter knob adjustment (PL)
4. Selection / parameter knob adjustment (PP)
5. Colorful 480x320px LCD display

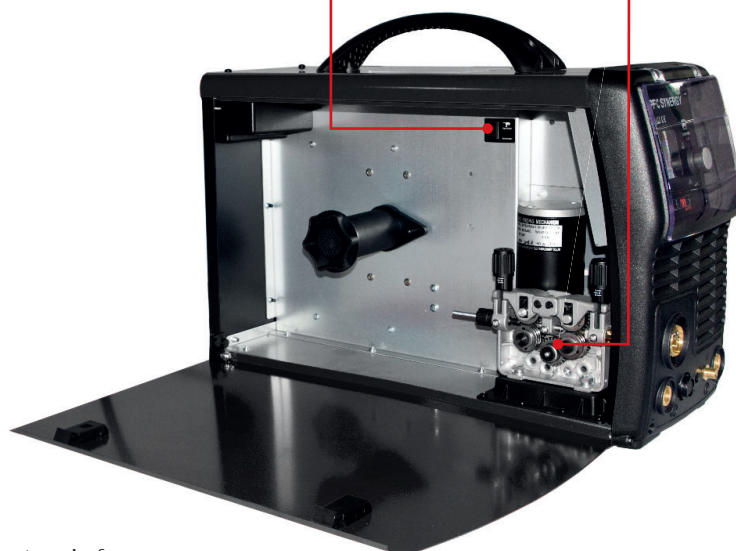


Spool Gun switch.



WIRE FEEDER

Professional four-roll wire feeder, which allows you to work with a long welding handle regardless of the type of wire used. Despite the small compact size and weight, the device is compatible with standard spools with welding wire D200 and D300 weighing up to 15kg.



● STANDARD EQUIPMENT:

work clamp 3m

gas hose

user's manual



● EQUIPMENT OF THE PACKAGE:

MIG torch SPARTUS® SPM 240

electrode holder 3m

work clamp 3m

gas hose

user's manual



 **3, 4 or 5m**

Included in the package price is a choice of SPARTUS® MIG torch of any length: 3, 4 or 5 m.

The possibility of a professional **TIG LIFT** welding with microswitch torch



The possibility of use SPARTUS® **Spool Gun** with built-in wire feeder

