

## SPARTUS® MasterMIG 250PFC



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Product code:

MasterMIG250PFC Synergy



Standard equipped: • **Device SPARTUS® MasterMIG 250PFC SYNERGY** • 3m work clamp • Gas hose • User's manual

### Product description

#### SYNERGY MIG 3 in 1

**SPARTUS® MasterMIG 250PFC** 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.

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.

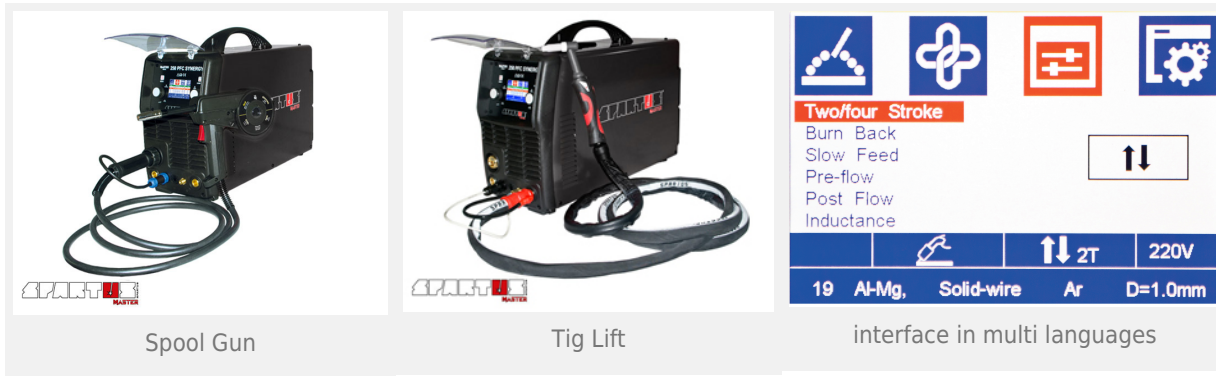
The device has a number of functions that support MIG / MAG welding processes:

- Synergistic MIG/MAG welding mode: 20 dedicated programmes.
- Wave Control - precise arc dynamics adjustment Wave control ensures full control over the welding arc: it allows to reduce the amount of welding splashes and controls the width and depth of fusion.
- Burn Back - precise adjustment of welding wire burning speed allows limit a risk of sticking the welding wire to the contact tip.
- Slow Feed - so called gentle start-up of the wire feeder, recommended especially during welding with high amperage and high speed of wire feed. Smooth start of wire feed eliminates the risk of welding defects at the beginning of the weld.
- 2T / 4T - Choice of one of two operating modes.
- Spool Gun - possibility of welding with type Spool Gun welding holder.

The **SPARTUS® MasterMIG 250PFC** also has a number of features that support TIG welding processes (2T/4T mode, current falling speed adjustment, post-gas) and MMA (Hot Start for easier electrode ignition, Arc Force for easier welding in forced positions, VRD lower no-load voltage). Functional panel is equipped with a 480x320px colour LCD with an intuitive user interface. It is possible to choose one of several language versions of the control software (English, German, Czech, Slovak, Lithuanian, Spanish, Portuguese, Russian, French, Serbian, Polish). By default, the Polish language version of the interface is set.

**SPARTUS® MasterMIG 250PFC** is equipped with a 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.

Examples of applications: workshop work, renovation works in the field, automotive - welding of galvanized car bodies (brazing), muffler welding, production sector, light industry.



## Technical parameters

Input	~1× 230V ± 10% 50 / 60 Hz
Welding current MIG [A]	25 - 250
Duty cycle MIG [%]	60
Output working voltage [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 / 200/300
Wire diameter Ø [mm]	0,6, 0,8, 1,0, 1,2
Additional features	Arc Force, Hot Start, TIG lift welding
Welding current TIG [A]	10 - 250
Post-gas [s]	0 - 10
Welding current MMA [A]	10 - 250
Current consumption [A]	MIG 35 / MMA 40 / TIG 28
Power factor (cosφ)	0,99
Efficiency η [%]	85
Insulation class	H
Protection class	IP23
Weight [kg]	25
Dimensions [mm]	620 x 240 x 450

PRODUCT CATEGORIES: [WELDING MACHINES](#), [MIG](#)

Reference numbers and names belonged to above companies were called due to Property Right Law for buyer's convenience and they are related to code and spare part's description.

The products do not constitute an offer within the meaning of the Civil Code.