



SPARTUS® ProMIG 200PFC
 TECHNOLOGICALLY ADVANCED, PORTABLE,
 SYNERGIC MIG 3IN1



 **TECHNICAL PARAMETERS**

Input [V]	Welding current [A]	Duty cycle [%]	Wire feeder	Welding wire spool [kg]/[mm]	Wire diameter [mm]	Weight [kg]	Dimensions [mm]
230	MIG 25 - 200 TIG 10 - 200 MMA 10 - 200	40	built-in, 2-roll gear	≤ 5 / Ø200	0.6 / 0.8 / 1.0	16.4	600 × 210 × 410

Additional Features: Wave Control, Burn Back, Slow Feed, 2T/4T mode, Pre-gas, Post-gas, Spool Gun, Hot Start, Arc Force, VRD.

DESCRIPTION:

SPARTUS® ProMIG 200PFC is a professional, portable, multi-process semi-automatic welding device. It enables MIG/MAG, TIG and MMA welding with maximum welding current of 200A. The unit is powered from a single-phase network 230V.

TECHNOLOGICALLY ADVANCED WITH MULTILINGUAL MENU

The machine 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.

ProMIG 200PFC is equipped with a high-resolution digital color LCD display with an intuitive user interface. It has been programmed for maximum convenience when setting parameters. The undoubted advantage is the multilingual interface, available in languages: **Polish, English, Spanish, German, French, Russian, Slovenian, Portuguese, Lithuanian, Serbian and Czech.**



VERSATILE - 3IN1 MACHINE

MIG WELDING

16 synergistic programmes

ProMIG 200PFC is equipped with 16 ready-made, synergistic programs for welding such materials as: steel, stainless steel, aluminum and has a CuSi3 brazing program. The user only selects the type of material to be welded and the diameter of the wire. Then, after setting the material thickness, the parameters adjust automatically. Additionally, it allows you to manually correct parameters.

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

- **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.



Manual mode

ProMIG 200PFC also works in manual mode. It allows you to set all welding parameters in accordance with the individual requirements of the user.

Spool Gun

ProMIG 200PFC gives possibility of welding with a Spool Gun type welding holder with a built-in wire feeder. This significantly relieves the device and increases its range, allowing you to work with welding guns longer than 5 meters.



Polarity change

External change of welding polarity enables welding with self-shielding wires without gas. Both with the use of a standard MIG / MAG gun as well as a SPOOL GUN.



Stable wire feeder

A high-quality, built-in two-roll feeder ensures stable welding wire feeding. Smooth movement during operation is essential in order to obtain a high-quality weld.

Ⓢ TIG WELDING

ProMIG 200PFC enables welding with the TIG Lift method. Thanks to the built-in solenoid valve, the device allows the use of a TIG welding torch with a microswitch (proposed SPP17-4-mSRP1B-X-8SPA)

ProMIG 200PFC has a functions that support TIG welding process:

- 2T/4T operating modes
- Down Slope
- Post-gas gas flow after completion of welding



Ⓢ MMA WELDING

The device also allows for basic welding by the MMA method. Built-in functions to support this process include:

- Hot Start – for easier electrode ignition
- Arc Force – for easier welding in forced positions
- VRD – lower no-load voltage, increased work safety.

EQUIPMENT OPTIONS:

SPARTUS® ProMIG 200PFC

SPARTUS® ProMIG 200PFC is available in 2 options: standard and package. Standard include source and basic wires (electrode holder, work clamp). An extensive package allows us to complete the device fully ready to work. Package, in addition to the source and MMA wires, is equipped with a high-class gun ProMIG 150 with rotary torch head. It is possible to create an extended package with the previously mentioned ProTIG SPP17 torch with TIG toolbox (consumable kit). It is a high-class Polish welding torch. ProTIG torch is made on American wires ProFlex, which retain a high level of flexibility at both high and low temperatures.

STANDARD:

work clamp 3m
electrode holder 3m
gas hose
user's manual

PACKAGE with gun SPM 150R:

SPARTUS® gun SPM 150R – 3m
work clamp 3m
electrode holder 3m
gas hose
user's manual

