

SPARTUS®



MULTIPRO 201 4IN1

MULTIFUNCTIONAL WELDING INVERTER



■ **SPARTUS® MultiPro 201 4in1** is an innovative, multi-purpose inverter welder designed with advanced PWM technology and high-quality IGBT transistors. It enables welding with **MIG, TIG AC, TIG DC**, as well as **MMA AC** and **MMA DC**

methods, with a maximum welding current of 200A. Powered from a single-phase 230V supply, the machine offers extensive configuration options, making it an ideal solution for a wide range of metal joining techniques.

MIG WELDING

The **MultiPro 201 4in1** is equipped with a synergic MIG/MAG welding system, offering programs for steel, stainless steel, aluminum, flux-cored wire welding, and brazing. It allows manual parameter adjustment with automatic suggestions for material thickness and wire feed speed.

MATERIAL	WIRE DIAMETER [mm]	SHIELDING GAS
Fe	0.6 / 0.8 / 1.0	80%Ar + 20%CO ₂
Fe	0.6 / 0.8 / 1.0	100%CO ₂
Flux c.w. Fe	0.8 / 1.0	100%CO ₂
SS	0.8 / 1.0	98%Ar + 2%CO ₂
Al	0.8 / 1.0	100% argon
CuSi3	0.8 / 1.0	100% argon

The **MultiPro 201 4in1** also operates in manual mode, allowing the user to set all welding parameters according to individual requirements.

The machine is equipped with built-in functions that support MIG/MAG welding:

- **Burn Back** – controls wire burn-back time, eliminating the risk of the welding wire sticking to the contact tip. It also facilitates short connections during MIG/MAG welding.
- **Slow Feed** – a so-called soft start of the wire feeder. Especially useful at high wire feed speeds, it ensures stable arc ignition from the very beginning of welding, minimizing the risk of weld defects at the start of the seam.



- **Inductance adjustment.**
- **2T/4T** welding modes.

The MultiPro 201 4in1 also supports welding with SPOOL GUN torches featuring a built-in wire feeder. This significantly reduces the load on the power source and extends its range, allowing the use of torches longer than 5 meters.

TIG WELDING

Thanks to its advanced features, the **MultiPro 201 4in1** enables TIG AC and TIG DC welding with HF or Lift arc ignition. It supports **pulsed current welding**, ideal for precision work on thin sheets and aluminum.

The machine is equipped with functions that support the TIG welding process, such as:

- **AC waveform selection:** three options available – square, sine, and triangular – allowing welding parameters to be tailored to specific material requirements.
- **Adjustments:** **AC balance, AC frequency, pulse frequency, pulse width, and pulse current**, ensuring excellent control over the welding process.

- **Upslope and downslope control:** optimizes arc dynamics, which is crucial for complex welds.
- **SPOT welding:** allows precise spot welding, ideal for demanding industrial applications.
- **2T/4T modes:** improve control and ensure operator comfort during both short and long welding projects.

With these advanced functions, the **SPARTUS® MultiPro 201 4in1** becomes an invaluable tool for professionals who expect the highest quality and adaptability to diverse working conditions.

■ MMA WELDING

The **MultiPro 201 4in1** offers versatile MMA welding capabilities, both in AC and DC modes, making it an excellent choice for a wide range of applications.

The unit is equipped with supportive functions that significantly simplify and optimize the welding process:

• **Hot Start:** Facilitates easy arc ignition, especially useful when welding more demanding materials. It ensures

a smooth start and a stable arc right from the beginning.

• **Arc Force:** Automatically adjusts the arc intensity, making welding in hard-to-reach areas or forced positions easier. This provides greater control over the welding process while minimizing the risk of weld defects.

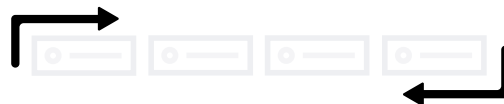
These features, built into the SPARTUS MultiPro 201 4in1, ensure superior weld quality along with comfort and ease of use, even when handling the most demanding welding tasks.

■ MEMORY CHANNELS

– QUICK SETTINGS RECALL

The SPARTUS MultiPro 201 4in1 is equipped with 10 memory channels, a key tool for every professional, enabling quick and efficient management of the welding process. This function allows the welder to save and easily recall the most frequently used machine settings, significantly streamlining work and saving time when switching welding parameters between different projects or materials.

10 MEMORY CHANNELS



■ CONTROL

The MultiPro 201 4in1 provides a clear display of settings and intuitive operation. Large function buttons and central knobs allow for quick mode switching and precise parameter adjustment.

Control options

Torch control – potentiometer

Wireless remote control

MultiPro 201 4in1



SP-FC-9P

THE UNIT SUPPORTS «
VARIOUS FORMS OF REMOTE CONTROL: »



■ EQUIPMENT

We offer the SPARTUS MultiPro 201 4in1 both as a standalone power source and in various configurations tailored to the user's needs.

Suggested package includes:

- MultiPro 201 4in1
- SPARTUS MIG SPP 150 torch, 3 m
- SPARTUS TIG mini SPP 17 1B torch, 4 m
- TIG starter kit with torch consumables
- Electrode holder, 3 m
- Ground cable, 3 m
- Gas hose
- User manual

Thanks to a flexible and innovative customer-oriented approach, SPARTUS Pro units can also be configured with alternative torches and expanded with additional accessories, creating a set perfectly suited to specific work requirements.

■ The modern design, functional LCD panel, and technologically advanced components make the SPARTUS MultiPro 201 4in1 one of the best machines in its class available on the market. It is a professional tool from the SPARTUS Pro series, perfectly suited for both production and industrial applications.



MULTIPRO 201 4IN1

TECHNICAL PARAMETER

Input	~1× 230V ± 10% 50 / 60 Hz	TIG welding current	TIG10 - 200A
MIG welding current	MIG30 - 200A	Current downslope time	0 - 10s
MIG duty cycle	40%	MMA welding current	10 - 200A
Wire feeder type	wbudowany, 2 - rolkowy	Arc Force	tak
Wire spool	≤ 5kg / Ø200mm	Hot Start	tak
Wire diameter	0.6 / 0.8 / 1.0mm	Power consumption	MIG 26.8A / TIG AC 22.2A / TIG DC 21.5A / MMA AC 28.6A / MMA DC 30.7A
Synergy	tak	Power factor (cosφ)	0.98
2T/4T operating mode	tak	Efficiency η	99%
Spot welding (SPOT)	tak	Insulation class	F
Additional MIG functions	Burn Back lutowspawanie (CuSi3) Pre-gaz Post-gaz programy synergiczne ręczna korekta parametrów regulacja indukcyjności spool gun Slow Feed test drutu zmiana biegunowości	Protection degree	IP21S
		Weight	21kg
TIG Lift	tak	Dimensions	606 x 217 x 404mm
		Connection	8SPA - SPARTUS®

