

SPARTUS®



ProTIG
2000W AC/DC

ADVANCED AND MULTIFUNCTIONAL TIG AC/DC WELDER WITH PULSE

■ The SPARTUS® ProTIG 2000W AC/DC is a high-class, modern inverter welder built on IGBT transistor technology. It enables TIG AC / TIG DC and MMA welding with a current

of up to 200A. Powered from a single-phase 230V mains supply, the machine offers a wide range of possibilities for the above-mentioned metal joining methods.

TIG WELDING

SPARTUS® ProTIG 2000W AC/DC offers versatile TIG AC and TIG DC welding options, giving welders the choice of the most suitable arc ignition method – high frequency (HF) or Lift. In addition, the machine is equipped with a pulsed current function, making it an ideal tool for working with very thin sheets and aluminum, ensuring high-quality and precise welds.

The machine features a range of 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, current and pulse frequency, pulse width, and pulse current, ensuring excellent control over the welding process.
- **Current upslope and downslope control** – optimizes arc dynamics, which is crucial for complex welds.
- **SingleSPOT and MultiSPOT welding** – enable precise spot welding, ideal for high-accuracy industrial applications.
- **2T/4T operation mode** – facilitates control and ensures operator comfort for both short and long welding tasks.

Thanks to these advanced functions, the SPARTUS ProTIG 2000W AC/DC becomes an invaluable tool for professionals

who demand the highest quality and adaptability to a wide range of working conditions.



MMA WELDING

The SPARTUS® ProTIG 2000W AC/DC offers versatile MMA welding capabilities in both AC and DC modes, making it an excellent choice for a wide range of applications.

The machine is equipped with support functions that significantly simplify and optimize the welding process:

- **Hot Start** – Facilitates electrode ignition, especially useful when welding more challenging materials, ensuring

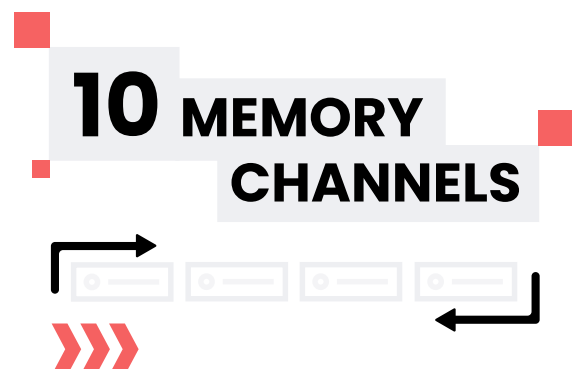
a smooth start and a stable arc from the very beginning.

- **Arc Force** – Automatically adjusts arc intensity, making it easier to weld in hard-to-reach areas or forced positions. This provides greater control over the welding process while minimizing the risk of weld defects.
- **MMA AC mode** – Enables effective welding of certain grades of aluminum and alloys in situations where TIG methods are not optimal.

MEMORY CHANNELS

– QUICK SETTINGS RECALL

The SPARTUS® ProTIG 2000W AC/DC is equipped with 10 memory channels, a key tool for every professional that enables quick and efficient management of the welding process. This function allows the welder to save and instantly recall the most frequently used machine settings, significantly streamlining work and saving time when switching welding parameters between different projects or materials.



■ COOLING

The SPARTUS® ProTIG 2000W AC/DC offers a flexible cooling option, allowing operation with either gas cooling or an integrated cooler. A simple switch on the control panel lets you adjust the cooling system to current needs and working conditions.



■ CONTROL

THE UNIT SUPPORTS
VARIOUS FORMS OF REMOTE CONTROL:

Control options	UP&DOWN torch control	Torch control – potentiometer	Wired foot control	Wireless foot control	Wireless remote control
ProTIG 2000W AC/DC	✓	✓	✓ SP-FC	✓ SP-FC2	✓ SP-PILOT3

■ EQUIPMENT

The SPARTUS® ProTIG 2000W AC/DC is available both as a stand-alone power source and in various configurations tailored to the user's needs.

The suggested package includes:

- ProTIG 2000W AC/DC
- SPARTUS TIG mini SPP 17 4B X 4m torch
- TIG toolbox (consumable kit)
- 3 m electrode holder
- 3 m work clamp
- gas hose
- user's manual

Thanks to a flexible and innovative customer-oriented approach, SPARTUS® Pro machines can also be configured with different torches and expanded with additional accessories, creating a set perfectly suited to the specifics of the job.

The SPARTUS® ProTIG 2000W AC/DC is a multifunctional welding power source that meets the expectations of even the most demanding users. It delivers precision, efficiency, and durability, making it an indispensable tool in any professional welding environment.





ProTIG 2000W AC/DC

TECHNICAL PARAMETER

Input	~1× 230V ± 10% 50 / 60 Hz	2T/4T control	yes
TIG welding current	AC: 10 - 200 / DC: 3 - 200A	SPOT welding	yes
TIG duty cycle	60%	Arc ignition	LIFT / HF
Gas pre flow	0.1 - 2s	MMA welding current	10 - 200A
Gas post flow	0 - 10s	Arc Force	yes
Up slope	0 - 10s	Hot Start	yes
Down slope	0 - 10s	No-load voltage	10V
TIG Pulse	yes	Current consumpition	AC: TIG 20.1 / MMA 28.7 DC: TIG 20.8 / MMA 30.2
Pulse Amps	DC: 3 - 200A AC: 10 - 200A	Power factor (cosφ)	0.99
Pulse Width	5 -95%	Insulation class	H
Pulse frequency	0,5 - 999Hz	Protection class	IP23
AC frequency	50 -250Hz	Weight	43kg
AC wave forms	square sinusoidal triangular	Dimensions	570 x 545 x 1120mm
AC balance	10 - 99	Control plug	9SPA - SPARTUS®



« Video
presentation

