

SPARTUS®



**MODERN,
PORTABLE TIG
AC/DC PULSE** 



**ProTIG
225P AC/DC**

■ SPARTUS® ProTIG 225P AC/DC is a modern TIG AC/DC and MMA AC/DC inverter welder, designed for welders who demand the highest quality joints in aluminum, stainless steel, acid-resistant steel, and special alloys. It combines

mobility with extensive parameter adjustment options, making it an excellent choice for both industrial production and service or assembly work.

TIG WELDING

SPARTUS® ProTIG 225P AC/DC offers the full range of TIG AC and TIG DC welding, with a choice between non-contact high-frequency (HF) arc ignition and the Lift method. With the **TIG Pulse function** and wide parameter adjustment, the machine is perfect for welding thin sheets, aluminum, and stainless steel, ensuring full control over the weld pool and excellent bead appearance.

The machine is equipped with features that support the TIG process, including:

- **AC waveform selection:** square, sine, and triangular – for optimal arc characteristics depending on the material being welded.
- **Advanced adjustments:** AC balance (10–99%), AC frequency (50–250 Hz), pulse frequency (0.5–999 Hz), pulse width, and pulse current.
- **Precise arc dynamics control:** adjustable upslope and downslope time, start and end current settings (in 4T mode).
- **SPOT welding mode:** precise execution of short, repeatable welds.
- **2T/4T operation mode:** improves comfort when welding both short and long sections.



MMA WELDING

SPARTUS® ProTIG 225P AC/DC enables MMA welding with both direct current (DC) and alternating current (AC) in the 10–200 A range, allowing the use of a wide variety of coated electrodes and welding of different types of steel.

The machine is equipped with functions that support arc stability and operator comfort:

- **Hot Start** – facilitates arc ignition, especially with elec-

trodes that are difficult to strike, while minimizing the risk of the electrode sticking to the material.

- **Arc Force** – automatically stabilizes the arc during welding, preventing it from going out when the electrode-to-material distance changes.
- **MMA AC mode** – enables effective welding of certain grades of aluminum and alloys in situations where TIG welding is not the optimal choice.

MEMORY CHANNELS

– QUICK SETTINGS RECALL

SPARTUS® ProTIG 225P AC/DC is equipped with 10 memory channels that allow you to save and recall your preferred welding parameter configurations. This solution significantly reduces setup time, especially for repetitive tasks or when frequently switching between different methods and materials. Thanks to intuitive operation, saving settings is simple, giving the welder confidence that every subsequent weld will be performed with optimal parameters – without the need to re-enter all values.

10 MEMORY CHANNELS



» ProTIG 225P AC/DC

■ CONTROL

The LCD panel of the SPARTUS® ProTIG 225P AC/DC provides a clear view of settings and intuitive operation. Large function buttons and a central control knob allow for quick mode switching and precise parameter adjustment.



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 225P AC/DC	✓	✓	✓ SP-FC	✓ SP-FC2	✓ SP-PILOT3



■ EQUIPMENT

SPARTUS® ProTIG 225P AC/DC is available both as a standalone power source and in various configurations tailored to the user's needs.

The suggested package includes:

- ProTIG 225P AC/DC
- SPARTUS TIG mini SPP 17 4B 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 devices can also be configured with alternative torches and expanded with additional accessories, creating a set perfectly suited to the specific requirements of the job.

SPARTUS® ProTIG 225P AC/DC is a high-performance power source for TIG AC/DC and MMA AC/DC welding, combining precise parameter control, intuitive operation, and robust construction. It is suitable for use in production facilities as well as assembly and service work, ensuring top-quality welds and operator comfort.



ProTIG 225P AC/DC

TECHNICAL PARAMETER

Input	~1× 230V ± 10% 50 / 60 Hz	2T/4T control	yes
TIG welding current	10 - 200A	Arc ignition	HF
TIG duty cycle	60%	MMA welding current	10 - 200A
Gas pre flow	0.1 - 2s	Arc Force	yes
Gas post flow	0 - 10s	Hot Start	yes
Up slope	0 - 10s	No-load voltage	66V
Down slope	0 - 10s	Current consumpiton	TIG 20.4 / MMA 29.1 DC: TIG 21.5 / MMA 30.8
TIG Pulse	yes	Power factor (cosφ)	0.99
Pulse Amps	10 - 200A	Efficiency η	80%
Pulse Width	5 - 95	Insulation class	H
Pulse frequency	0.5 - 999Hz	Protection class	IP21S
AC frequency	AC50 - 250Hz	Weight	16kg
AC wave forms	square sinusoidal triangular	Dimensions	605 x 215 x 410mm
AC balance	10 - 99	Control plug	9SPA - SPARTUS®



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