

UPGRADE
321PW AC/DC



product code: **PROTIG325PWACDC-TOWER**

Package equipment:

- ProTIG 325P AC/DC
- cooler
- MaxCoolant - cooling liquid 5l
- 4 wheel drive set
- user's manual



Use the configurator to complete the equipment according to your needs.

Product variants

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ProTIG 325PW AC/DC [source, cooler, driving set]
PROTIG325PWACDC-TOWER

ProTIG 325PW AC/DC [machine with a cooler] package with TIG torch SPP 18 4B X - 4m
PROTIG325PWACDC-PAK-18-4

Product description

ProTIG 325PW AC/DC - MODERN AND EFFICIENT TIG AC/DC WITH PULSE

SPARTUS® ProTIG 325PW AC/DC is a technologically advanced inverter welder designed for professional use. The device allows welding using TIG AC/DC and MMA AC/DC methods, reaching a maximum current of 320A. It is powered by a 400V three-phase network, ensuring efficient and stable operation.



TIG WELDING

Thanks to modern solutions, **SPARTUS® ProTIG 325PW AC/DC** offers users the choice between HF (High Frequency) arc ignition and the Lift method. The machine is also equipped with a **pulse welding function**, ideal for precise work on thin sheets and aluminum.

The device allows full customization of the welding process through:

- **Choice of AC waveform shape:** Three options are available – rectangular, sinusoidal, triangular – allowing adjustment of welding parameters to specific material requirements.
- **Adjustments: AC balance, current and pulse frequency, pulse width, and pulse current,** providing excellent control over the welding process.

- **Adjustments of current up and down slope time:** Enables optimization of arc dynamics, crucial for complex

welds.

- **SingleSPOT and MultiSPOT welding:** These options allow precise spot welding, ideal for accurate applications in the industry.
- **2T/4T operating mode:** Facilitates control and comfort during both short and prolonged welding projects.

CONTROL OPTIONS

SPARTUS® ProTIG 325PW AC/DC also stands out due to its flexible control options, providing convenience and adaptability in various work environments. The device offers **UP&DOWN handle control** or **potentiometer control**, allowing precise adjustment of welding parameters directly from the torch handle. Additionally, **wired foot control** is available, ideal for those seeking maximum comfort. **SPARTUS® ProTIG 325PW AC/DC** is also compatible with a **wireless remote control**, allowing control of the machine from anywhere in the workshop, eliminating cable limitations and increasing user mobility. These advanced control options provide welders not only with convenience but also with the precision and efficiency necessary to achieve the best results.

MMA WELDING

SPARTUS® ProTIG 325PW AC/DC not only offers advanced TIG welding but also provides the possibility of using the MMA (AC/DC) method. This versatile feature is further supported by **Arc Force** and **Hot Start** technologies, which automatically adjust arc parameters, significantly improving weld quality and facilitating the start and maintenance of welding under various conditions.



MEMORY CHANNELS

SPARTUS® ProTIG 325PW AC/DC is equipped with an advanced memory system that allows saving up to 10 different welding configurations. This feature allows welders to quickly and easily switch between various settings, perfectly suited to the specifics of working with diverse materials and in different environments. This significantly speeds up the work process by eliminating the need for constant manual parameter adjustments. The ability to save favorite settings makes the **SPARTUS® ProTIG 325PW AC/DC** not only efficient but also highly intuitive to use, making it the perfect tool for professionals seeking efficiency and precision in welding.

MOBILE SET ON A TROLLEY

SPARTUS® ProTIG 325PW AC/DC comes with an integrated cooler mounted on a practical trolley. This convenient and functional configuration not only significantly improves the mobility of the entire set but also increases cooling efficiency, which is crucial during longer welding sessions. Better heat dissipation allows welders to work longer without the risk of equipment overheating, resulting in higher performance and longer device lifespan. Additionally, the mobility of the set allows easy movement between different workstations, which is especially valuable in variable industrial conditions.

SPARTUS® ProTIG 325PW AC/DC is the perfect choice for professionals looking for reliable and efficient welding equipment that performs well in all conditions, both in the production sector and in industry.

Technical details

Input	~3× 400V ± 10% 50 / 60 Hz
TIG welding current	[AC] 10 - 320A / [DC] 5 - 320A
TIG duty cycle	60%
Gas pre flow	0.1 - 2s
Gas post flow	0 - 10s
Up slope	0 - 10s
Down slope	0 - 10s
TIG Pulse	yes
Pulse Amps	5 - 320A
Pulse Width	5 - 95%
Pulse frequency	0.5 - 999Hz
AC frequency	50 - 250Hz
AC wave forms	square, sinusoidal, triangular
AC balance	10 - 99%
2T/4T Control	yes
SPOT welding	yes
Arc ignition	LIFT / HF
Control options	control in torch UP&DOWN, wired foot control, control in the handle potentiometer, wireless remote control
Water cooler	yes
MMA welding current	10 - 320A
Arc Force	yes
Hot Start	yes
No-load voltage	10.3V
Current consumpition	AC: TIG 17.4 / MMA 23.2 DC: TIG 18.6 / MMA 24.6
Power factor (cosφ)	0.7
Efficiency η	85%
Insulation class	H
Protection class	IP23
Weight	76,8kg
Dimensions	1150 x 600 x 1200mm
Control plug	9SPA - SPARTUS®