

product code: **PROTIG3000DC-SOURCE**



Equipment:

- ProTIG 3000 DC
- user's manual



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

Product variants

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ProTIG 3000 DC source
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ProTIG 3000 DC package with TIG torch SPP26 4B - 4m
PROTIG3000DC-PAK-26-4

Product description

ProTIG 3000 DC - PROFESSIONAL DC TIG WELDER WITH PULSE

SPARTUS® ProTIG 3000 DC is a technologically advanced premium class inverter welder. Built using IGBT transistor technology, it allows TIG DC and MMA welding with a maximum current of 320A. The device is designed for use with three-phase 400V power supply.



TIG WELDING

SPARTUS® ProTIG 3000 DC in TIG mode offers welders the ability to choose the most suitable arc ignition method – high frequency (HF) or Lift. The device features **pulse current welding**, making it an excellent solution for welding delicate sheets and aluminum, ensuring the highest quality and precision of welds.

The device includes functions supporting the TIG welding process, such as:

- **Adjustments: pulse frequency, pulse width, and pulse current**, providing excellent control over the welding process.
- **Adjustments for current decay and rise time:** Allows optimization of the arc dynamics, crucial for complex welds.
- **SingleSPOT and MultiSPOT Welding:** These options allow for precise spot welding, ideal for precision applications in industry.
- **2T/4T Operating Modes:** Facilitates control and ensures comfort during both short and prolonged welding projects.

Thanks to these advanced features, **SPARTUS® ProTIG 3000 DC** becomes an invaluable tool for professionals who demand the highest quality and adaptation to various working conditions.

MMA WELDING

SPARTUS® ProTIG 3000 DC offers MMA welding capabilities. The device is equipped with supporting functions that significantly facilitate and optimize the welding process:

- **Hot Start:** Facilitates initial electrode ignition, which is especially helpful when welding more challenging materials, ensuring a smooth start and stable arc from the beginning.
- **Arc Force (Arc Dynamics Adjustment):** Automatically adjusts the intensity of the welding arc, facilitating welding in hard-to-reach places or in forced positions. This ensures greater control over the

welding process, minimizing the risk of joint defects.

The above functions guarantee higher weld quality and ease of use, even while performing the most demanding welding tasks.

MEMORY CHANNELS

SPARTUS® ProTIG 3000 DC is equipped with **10 memory channels**, which are a key tool for any professional, allowing quick and efficient management of the welding process. Thanks to this feature, the welder can save and quickly recall the most frequently used machine settings, significantly streamlining work and saving time when changing welding parameters between different projects or materials.

CONTROL

SPARTUS® ProTIG 3000 DC offers a wide range of control options, depending on the welder's preferences. The device is compatible with TIG handles controlled by a 4B microswitch (UP&DOWN) or potentiometer. **ProTIG 3000 DC** also offers the possibility of wired and wireless foot control using a specially designed remote.

COOLING

SPARTUS® ProTIG 3000 DC offers a flexible cooling option, allowing operation with gas cooling or via an integrated cooler. Simply switch the mode on the control panel to adjust the cooling system to current needs and working conditions.

SPARTUS® ProTIG 3000 DC is a versatile welding device tailored to the needs of professionals. It is characterized by unmatched precision, efficiency, and reliability, making it a top choice for any experienced welder.



Technical details

Input	~3× 400V ± 10% 50 / 60 Hz
TIG welding current	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
2T/4T Control	yes
SPOT welding	yes
Arc ignition	LIFT / HF
Control options	wireless foot pedal, control in torch UP&DOWN, yes, wired foot control, control in the handle potentiometer, wireless remote control
MMA welding current	10 - 320A
Arc Force	yes
Hot Start	yes
No-load voltage	10.5V
Current consumpiton	TIG 18.4 / MMA 24.4
Power factor (cosφ)	0.7

Insulation class	H
Protection class	IP23
Weight	17.5kg
Dimensions	560 x 200 x 380mm
Control plug	-