



product code: **PROTIG3000WDC-PAK-18-4**

- Package equipped:**
- ProTIG 3000 DC
 - cooler
 - MaxCoolant - cooling liquid
 - 2 wheel drive set
 - **TIG torch SPARTUS® SPP 18 4B X 4m**
 - **TIG toolbox (consumable kit)**
 - 3m electrode holder
 - 3m work clamp
 - gas hose
 - user's manual



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

Product variants

Index	Price
ProTIG 3000W DC [source, cooler, driving set] package with TIG torch SPP18 4B - 4m PROTIG3000WDC-PAK-18-4	€1,945.05 / pc Net price
ProTIG 3000W DC [source, cooler, driving set] PROTIG3000WDC-TOWER	€1,630.90 / pc Net price

Product description

ProTIG 3000W DC - PROFESSIONAL DC TIG WELDER WITH PULSE

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



TIG WELDING

SPARTUS® ProTIG 3000W DC in TIG mode provides welders the option to choose the most suitable arc striking method – high frequency (HF) or Lift. The device features **pulse current welding**, making it an excellent solution for welding delicate sheet metal 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**, which provide excellent control over the welding process.
- **Adjustments of current decay and rise time:** Allows for optimization of 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 Operation Modes:** Facilitates control and ensures comfort during both short and prolonged welding projects.

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

MMA WELDING

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

- **Hot Start:** Facilitates the initial electrode ignition, particularly helpful when welding more challenging materials, ensuring a smooth start and stable arc from the very beginning.
- **Arc Force (Arc Dynamics Adjustment):** Automatically adjusts the intensity of the welding arc, facilitating welding in hard-to-reach places or 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 when performing the most demanding welding tasks.

MEMORY CHANNELS

SPARTUS® ProTIG 3000W DC is equipped with **10 memory channels**, which are a key tool for any professional, allowing for quick and efficient management of the welding process. With 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 3000W 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 3000W DC** also offers the possibility of wired and wireless foot control using a specially designed remote.



COOLING

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

MOBILE SET ON A CART

SPARTUS® ProTIG 3000W DC is delivered in a set with an integrated cooler mounted on a practical cart. This convenient and functional configuration not only significantly improves the mobility of the entire set but also enhances cooling efficiency, which is crucial during longer welding sessions. With better heat dissipation, welders can work longer without the risk of overheating the equipment, which translates to higher efficiency and longer device lifespan. Additionally, the mobility of the set allows for easy movement between different workstations, which is particularly valuable in variable industrial conditions.



SPARTUS® ProTIG 3000W DC is a versatile welding device tailored to the needs of professionals. It is characterized by unparalleled 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
Water cooler	yes
Tank capacity	4l
MMA welding current	10 - 320A
Arc Force	yes
Hot Start	yes
No-load voltage	10.5V
Current consumpition	TIG 18.4 / MMA 24.4
Power factor (cosφ)	0.7
Insulation class	H
Protection class	IP23
Weight	47kg
Dimensions	570 × 545 × 1120mm
Control plug	-