



## TECHNICAL PARAMETERS

Input [V]	Welding current [A]	Duty cycle [%]	Pulse Amps [A]	Pulse Width [%]	Pulse frequency [Hz]	Weight [kg]	Dimensions [mm]
400	5 - 320	60	5 - 320	5 - 95	0.5 - 999	47	570 x 545 x 1120

**Additional features:** pre gas, post gas, pulse, 2T/4T control, SingleSPOT and MultiSPOT welding, Arc Force, Hot Start, memory channels, wirelesscontrol

## DESCRIPTION

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

## MMA WELDING

**SPARTUS® ProTIG 3000W 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 3000W 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.

## COOLING

**SPARTUS® ProTIG 3000W 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.

## MOBILE SET ON A CART

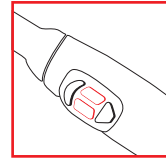
**SPARTUS® ProTIG 3000W DC** is delivered in a set with an integrated cooler mounted on a practical cart. This convenient and functional configuration not only significantly improves the mobility of the entire set but also enhances cooling efficiency, which is crucial during longer welding sessions. 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

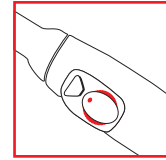


**CONTROL**

WIRED		WIRELESS	
HANDLE		foot control	remote panel
UP&DOWN	potentiometer	✓	✓



UP&DOWN



POTENTIOMETER



WIRED FOOT PEDAL



WIRELESS FOOT PEDAL



REMOTE CONTROL PANEL

**EQUIPMENT :**



- cooler
- cooling liquid
- 2 wheel drive set
- TIG torch mini SPP 18 4B X 4m
- TIG toolbox (consumable kit)
- 3m electrode holder
- 3m mass hose
- gas hose
- user's manual