

# SPARTUS® ProTIG 320P AC/DC

MODERN, STRONG  
AND FOOLPROOF TIG AC/DC



## PRELIMINARY INFORMATION

**SPARTUS® ProTIG 320P AC/DC** is a modern, digitally controlled inverter welder, constructed on the basis of IGBTs. Allows welding with TIG AC/DC and MMA AC/DC welding methods up to 320 amps. The device has a high duty cycle (60%) and is powered with three-phase 400V source power.



## DEVICE DESCRIPTION

**SPARTUS® ProTIG 320P AC/DC.** It is a device designed and manufactured for heavy industrial conditions. It allows welding of steel, stainless steel, acid-resistant steel, titanium and other weldable alloys in a wide range of material thicknesses. The digital function panel enables precise control of all the most important welding parameters for TIG AC / DC methods (balance, current frequency, pulse) and MMA AC / DC methods (Hot Start, Arc Force). The high reliability of the device and resistance to overloads have been achieved thanks to the use of high-class components and intelligent source protection systems.



## EXAMPLES OF USE

- production,
- industry,
- constructions.

Videopresentation of products

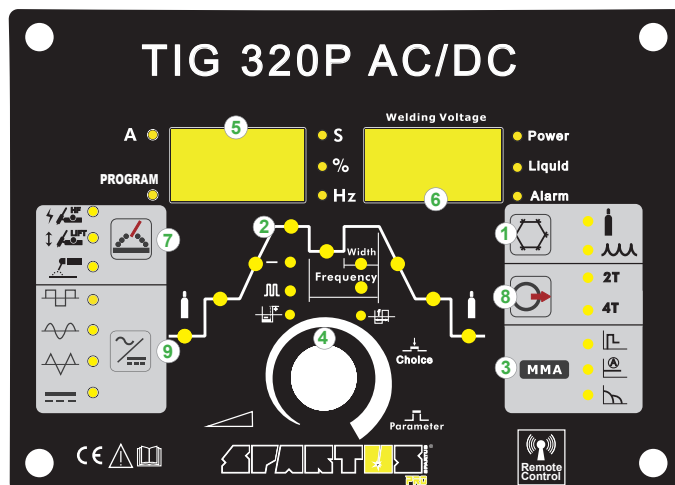


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## TECHNICAL PARAMETERS

Input	~3× 400V ± 10% 50 / 60 Hz
Welding Current TIG [A]	10 – 320
Duty cycle [%]	60
<b>TIG PARAMETERS</b>	
Start Amps, End Amps	✓
Gas pre flow [s]	0,1 – 2
Up slope [s]	0 – 10
Down slope [s]	0 – 10
Gas post flow [s]	0 – 10
TIG PULSE mode	✓
Pulse Amps [A]	10 – 320
Pulse Width [%]	5 – 95
Pulse frequency [Hz]	0,5 – 999
AC frequency [Hz]	50 – 250
AC Wave Forms	Square, Sinusoidal, Triangular
AC balance [%]	10 – 99
2T/4T Control	✓
Arc ignition	LIFT / HF
Output remote control	✓
<b>MMA PARAMETERS</b>	
MMA welding mode [AC/DC]	✓
Welding current MMA [A]	10 – 320
Hot Start range [%]	0 – 100
Arc Force range [%]	0 – 100
No-load voltage [V]	63
<b>OTHER</b>	
Current consumpiton [A]	TIG 19 / MMA 27
Power factor (cosφ)	0,75
Efficiency η [%]	85
Insulation class	H
Protection class	IP23
Weight [kg]	26
Dimensions [mm]	620 × 240 × 450

## FUNCTION PANEL



1. Button for selecting the method of cooling the TIG gas / liquid welding torch
2. Graph of the course of the TIG process
3. MMA welding parameters
4. Welding parameter adjustment knob
5. Display of welding parameters
6. Welding voltage display
7. Welding method selection button: TIG HF / TIG LIFT / MMA
8. TIG 2T / 4T operating mode selection button
9. Welding mode selection button



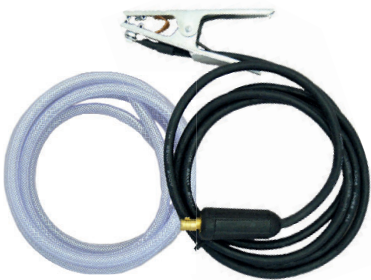
## ADDITIONAL OPTIONS

The device has the ability to fully adjust welding parameters using a remote control or welding current control using a wired / wireless foot control.



● STANDARD EQUIPMENT:

- work clamp 3m
- gas hose
- user's manual



● EQUIPMENT OF THE PACKAGE:

26 [4m]	26 [8m]
TIG torch SPARTUS® SPP 26 4B X 4m	TIG torch SPARTUS® SPP 26 4B X 8m
TIG toolbox (consumable kit)	
electrode holder 3m	
work clamp 3m	work clamp 5m
gas hose	
user's manual	



Fast replacement microswitch  
SPARTUS® Pro 4B  
with UP & DOWN remote control