

SPARTUS® ProTIG 220P AC/DC

TINY, LIGHT AND PROFESSIONAL. IDEAL FOR WELDING ALUMINIUM AND STAINLESS STEEL



PRELIMINARY INFORMATION

SPARTUS® ProTIG220P AC/DC. Modern, digitally controlled inverter welder, constructed on the basis of IGBTs. Allows welding TIG AC/DC and MMA AC/DC modes. It is powered with single-phase 230V source power.



DEVICE DESCRIPTION

SPARTUS® ProTIG220P AC/DC. For right welding methods, the welding current range is between: 5-200 (AC mode) and 5-170A (DC mode). Allows TIG welding with pulse mode, making it an ideal device for welding stainless and acid resistant steels. TIG AC welding mode, with ability to choose AC waveforms, AC balance and AC frequency, allows you to weld even the most demanding of aluminum alloys. What impresses: small dimensions, lightweight (only 10,5 kg) and excellent output parameters. It is a device designed for both the manufacturing sector, as well as maintenance and montage.



EXAMPLES OF USE

- industrial,
- portable repair,
- workshop,
- maintenance,
- constructions.

Videopresentation of products

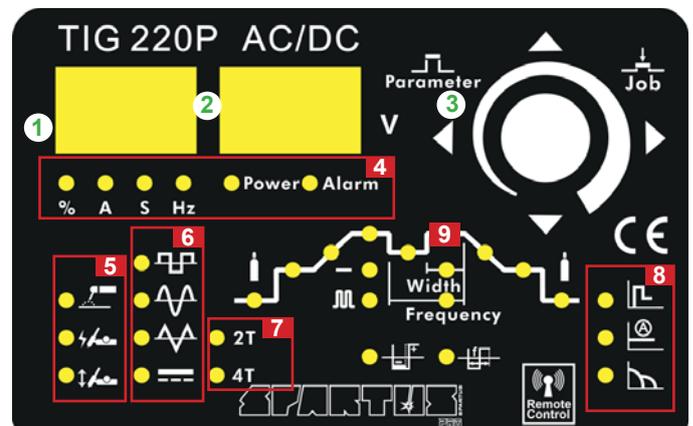


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● TECHNICAL PARAMETERS

Input	~1× 230V ± 10% 50 / 60 Hz
Welding Current TIG [A]	AC 5 - 200 DC 5 - 200
Duty cycle [%]	AC 40 [200A] DC 40 [200A]
TIG PARAMETERS	
Start Amps, End Amps	✓
Gas pre flow [s]	0 - 2
Up slope [s]	0 - 10
Down slope [s]	0 - 10
Gas post flow [s]	0 - 10
TIG PULSE mode	✓
Pulse Amps [A]	AC 5 - 200 DC 5 - 200
Base Amps [A]	AC 5 - 200 DC 5 - 200
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	✓
MMA PARAMETERS	
MMA welding mode [AC/DC]	✓
Welding current MMA [A]	AC 5 - 200 DC 5 - 200
Hot Start range [A]	0 - 100
Arc Force range [A]	0 - 100
No-load voltage [V]	69
OTHER	
Current consumption [A]	22
Power factor (cosφ)	0,68
Efficiency η [%]	85
Insulation class	H
Protection class	IP23
Weight [kg]	10,5
Dimensions [mm]	480 × 140 × 240

● FUNCTION PANEL



1. Display of welding parameters
2. Welding voltage display
3. Multifunction joystick: selection and adjustment
4. welding parameters
5. Indicators informing about units which are shown on the display
6. Indicators informing about the choice of welding method
7. Lights indicating the selection of the welding mode
8. Indicators informing about the selection of the operating mode
9. MMA welding parameters
10. Graph of parameters run in the TIG method

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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:

mini 17 [4m]	26 [4m]	mini 17 [8m]	26 [8m]
TIG torch SPARTUS® mini SPP 17 4B X 4m	TIG torch SPARTUS® SPP 26 4B X 4m	TIG torch SPARTUS® mini SPP 17 4B X 8m	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			

torch SPP 26
current-carrying capacity:
150A DC / 115A AC



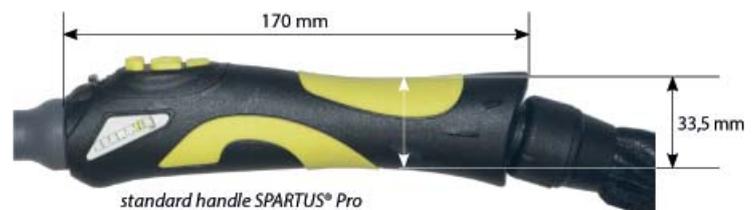
torch mini SPP 17
current-carrying capacity:
150A DC / 150A AC



The torches are available in the standard version with a ground cable and gas tube, or in one of the many extended packages. They include **the top class original Polish SPARTUS® ProTIG torch** with 4B (**UP & DOWN**) fast replacement microswitch. The packages are available with **a torch (4/8m) on a standard handle** or a light mini handle. A small toolbox of service parts enables fast replacement of used and worn parts. The torches contain a **flexible packet of cables** in cotton wrapping with 1m of leather for the handle.



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



standard handle SPARTUS® Pro



mini handle SPARTUS® Pro