

WELDER INVERTER TIG AC DC PATON

PROTIG 200



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The PATON® ProTIG 200 digital inverter welder is optimized for "TIG" direct or alternating current (AC/DC) inert gas shielded arc welding and "MMA" direct current manual metal arc welding.

The device of "Professional" series, is designed for consumers requiring compactness and optimal ratio between portability and functionality of the unit with its full nominal current.

The best solution for direct and alternating current welding of a wide range of materials: aluminum, aluminum alloys (TIG AC mode), parts and materials of steel, non-ferrous metals and copper alloys (TIG DC mode). The device can also be used for welding with coated electrodes (MMA mode). In addition, the manufacturer has used in this device RIV (SPOT) function. PATON ProTIG 200 inverter welder provides excellent contactless ignition, constant and stable electric arc, as well as high quality weld and ease of use. The device has a protection module against under- and over-voltage. By increasing the frequency of the input voltage, which is supplied to the transformer is several times smaller, so the device has several times less weight and dimensions with the same output parameters compared to other devices with similar characteristics.

The Paton ProTIG-200 AC DC TIG welder inverter is designed for welding:

- TIG AC/DC (direct / alternating current)
- MMA (direct current)
- RIV (rivet welding mode)



Supply voltage 50/60 Hz	230 V
Required nominal current from the mains	25 A
Nominal welding current	200 A
Maximum welding current	200 A
Voltage change intervals, V	190 - 260 V
Welding current adjustment intervals	5- 200 A
Basic operating mode	TIG AC/DC
Additional operating mode	RIV, MMA
Granice regulacji prądu spawalniczego tryb MMA	5 - 200 A
Welding current regulation limits TIG AC/DC mode	5 - 200 A
Idle voltage	65 V
Energy efficiency	Not less than 80 %
Duty cycle with welding current 126 (DC)	100 %
Welding cycle 200 A (DC)	40 %
Duty cycle at 140 A (AC) welding current	100 %
Duty cycle for welding current 200 A (AC)	50 %
Nominal power consumption	6,3 kVA
Non-contact arc ignition (HF)	YES
Welding current indicator	YES
Memorizing modes of operation	10 programmes
Alternating current frequency	15 - 250 Hz
Polarity balance in TIG AC/DC welding	15 - 90 %
Burner button mode, TIG AC/DC	2T, 4T
Time of the shielding gas supply before welding	0,1 - 25 s
Welding time of the protective gas supply	0,1 - 25 s
RIV method pulse time adjustment	0,5 - 5 s
Peak current regulation in the RIV method	5 - 200 A
Starting current control	5 - 185 A
Adjusting the time of the current rise	0 - 15 s
Adjusting the time of the current drop	0 - 25 s
End current regulation	5 - 185 A
Dimensions (length, width, height), mm:	465 x 190 x 350
Standards met:	EN 60204 – 1:2006 EN 60974 – 1:2012 EN 60974 – 10:2014
Weight of the welder	14,7 kg
Degree of protection	IP21