

# ProTIG-200 AC/DC • ProTIG-315-400V AC/DC



## PROFESSIONAL ARGON ARC INVERTERS PATON

**ProTIG SERIES** - are designed for welding a wide range of non-ferrous and ferrous metals: aluminum and its alloys, copper, titanium, stainless steel, cast iron, and all grades of steel both direct and alternating current. They work in four modes: TIG AC, TIG DC, MMA AC/DC, and SPOT. Equipped with a color LCD screen. The machines can store up to 10 sets of user-configured parameters for each welding mode.



### Processes



### Input

ProTIG-200



Output



ProTIG-315-400V



## PARAMETERS

	ProTIG-200 AC/DC	ProTIG-315-400V AC/DC
Rated power supply voltage, V	220/230	380/400
Rated welding current, A	200	315
Welding current control range, A	5...200	25...315
Power supply voltage range, V	210-240	±10%
Operating load factor, (LD) %	DC 100% / 126A ... 40% / 200A AC 100% / 140A...50% / 200A	DC 100% / 180A .. 40% / 315A AC 100% / 200A...50% / 315A
Contactless arc ignition	+	+
Welding current indication	+	+
Torch trigger mode, TIG AC/DC	2T, 4T	
Starting current regulation, A	5...185	25...300
Regulation of current rise time, sec	0...15	
Regulation of the downslope time, sec	0...25	
Rated power consumption, kVA	6.3	13.5
Frequency of alternating welding current, Hz	15...250	15...120
Polarity balance when welding on alternating current, %	15...90	20...80
Overall dimensions, WxLxH, mm	465 x 150 x 350	380 x 480 x 330
Weight, kg	0...25	
Standards	EN IEC 60974-1	
Protection class	IP23	
Insulation class	H	

## ADVANTAGES



TWO-STROKE/  
FOUR-STROKE  
WELDING MODE



IGNITION



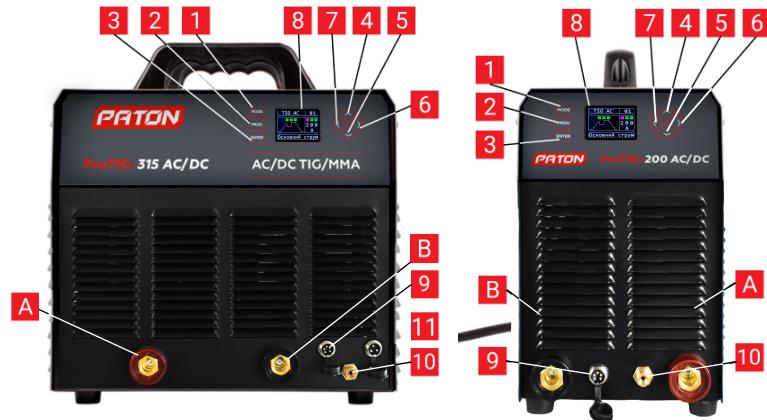
STORING PROGRAMS  
IN EACH WELDING  
MODE



# FRONT CONTROLS



- 1 "Mode" button – welding mode switching
- 2 "Program" button – user program selection
- 3 "Enter" button – saving the welding mode to the memory
- 4 "Up" button – parameter setting (more)
- 5 "Down" button – parameter setting (less)
- 6 "Right" button – welding parameter selection
- 7 "Left" button – welding parameter selection
- 8 LCD screen
- 9 Plug for connecting the button on the torch, as well as the pedal
- 10 Gas hose connection socket on the torch
- 11 Coolant flow relay connector
- A Power lead, A "+" socket (red)
- B Power lead, B "-" socket (black)



## APPLICATIONS

PATON ProTIG welding machines are used for welding at the production companies of the food and chemical industry, truck fleets, repair shops, and industrial companies that produce goods using non-ferrous metals and their alloys.



## COMPLETE SET

### BASIC

- 1 – Welding cable with «ground» terminal
- 2 – Belt for carrying the machine on the shoulder (for ProTIG-200 AC/DC model)
- 3 – Quick-release connection for argon



# COMPLETE SET

OPTIONAL

1 – TIG torch

2 – Welding control pedal WCP-321

3 – PATON Cooler-7S 400V

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