

SMART TIG 310 P AC/DC

INDUSTRIAL EQUIPMENT FOR TIG WELDING

Ref. 22300310ACDC
Date: 15/05/2017

Code: FT22300310ACDC
Review: 0

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GENERAL CHARACTERISTICS

Description:

Inverter technology equipment for DC TIG (stainless steels), AC TIG (aluminium) and MMA coated electrode welding processes.

Application:

Suitable for TIG welding of all materials, especially stainless steel and all types of aluminium and its alloys.

Electrical power supply:

3 Ph 400V – 50/60 Hz.

Main advantages:

- Arc striking system in DC TIG without contact and Lift-Arc mode.
- AC TIG ignition system by HF in start cycle.
- Automatic stabilisation system without HF. Low electromagnetic pollution
- Wide range of 2S / 4S working modes
- Pulsed arc in DC TIG and AC TIG.
- Total control of cycle, ramps up-down and cycle times.
- MMA electrode welding process (AC/DC modes)
- Modular package with torch cooling system.
- Possibility of control using an additional pedal

TECHNICAL FEATURES		SMART TIG 310 P AC/DC Ref. 22300310 P ACDC
Input voltage U ₁ (50/60 Hz)		3 Ph. 400 V
Maximum input intensity I _{1max} – I _{effec.}		19/ 13 A
Apparent power		9 KVA
AC TIG Ignition System		HF
DC TIG Ignition System		HF/LIFT
DC TIG process adjustment margin		10 ÷ 320 A
AC TIG process adjustment margin		30÷ 320 A
TIG welding intensity I ₂ (A)	Duty cycle 20 %	315 A
	Duty cycle 60 %	230 A
	Duty cycle 100 %	200 A
AC TIG frequency adjustment margin.		20 ÷ 70 Hz
Frequency in Pulsed AC/DC TIG Mode		0.2 ÷ 20 Hz
DC MMA process adjustment margin		10 ÷ 250 A
AC MMA process adjustment margin		20 ÷ 250 A
MMA welding intensity I ₂ (A)	Duty cycle 20 %	250 A
	Duty cycle 60 %	230 A
	Duty cycle 100 %	190 A
Protection class		IP 21S
Dimensions (width x height x length)		365x560x355 mm
Weight (power source only)		35 kg
SEGUN NORMAS UNE-EN 60974.		



Welding solutions

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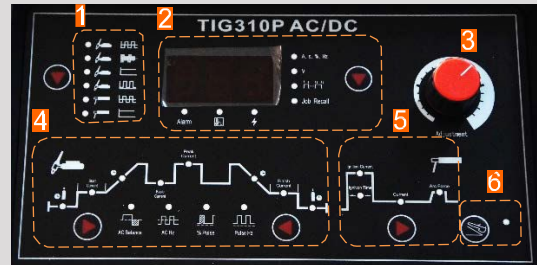
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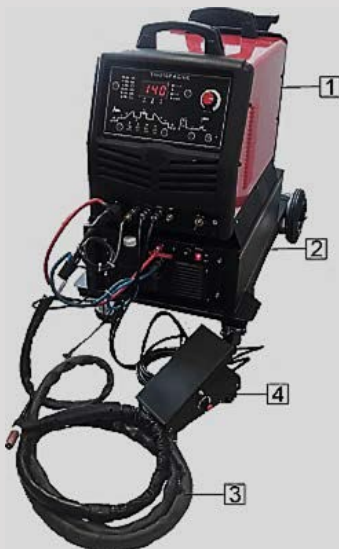
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Functional Operation



1) Front Control Panel	1) Welding mode selection
2) Quick connector for welding torch (-)	2) Parameters display
3) Torch gas outlet	3) Parameters adjustment potentiometer
4) Torch to ON/OFF control pedal connector	4) TIG parameter selection area
5) Torch to remote adjustment pedal connector	5) MMA parameter selection area
6-7) Water inlet/outlet connectors	6) Remote control selection
8) Quick connector for earth clamp (+)	
9) ON/OFF switch of cooling module	

Modular System



1.1	22300310ACDC	SMART TIG 310 P AC/DC
1.2	43512018	MACHINE-GAS CONNECTION (2M) / COUPLING
2.1	22300310CRR	TIG TRANSPORT TROLLEY
2.2	22300310WCS	TIG COOLING MODULE
2.3	39200094	LIQUID COOLANT
3.1 A	19051814	TORCH TIG XT-18
3.1 B	19052614	TORCH TIG XT-26
3.2	2229XXXX	2 PINES CONTROL CONNECTOR (*)
4	22300310PDL	PEDAL CONTROL

(*) It is included in power source



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