

CHAMPTIG 300P

The world class inverter based Pulse TIG DC welder



Complies to the latest
International Standards
IEC EN 60974-1, 60974-10



- Three phase inverter based, High efficiency and High Power Factor Pulse
- TIG/MMA DC Welder
- Useful for wide variety of material types and thickness
- Full featured TIG controls possible
- Power source with built in HF ignition
- Intelligent protection: over/under voltage, over current / temperature
- Option of water cooled Torch with water cooling unit available

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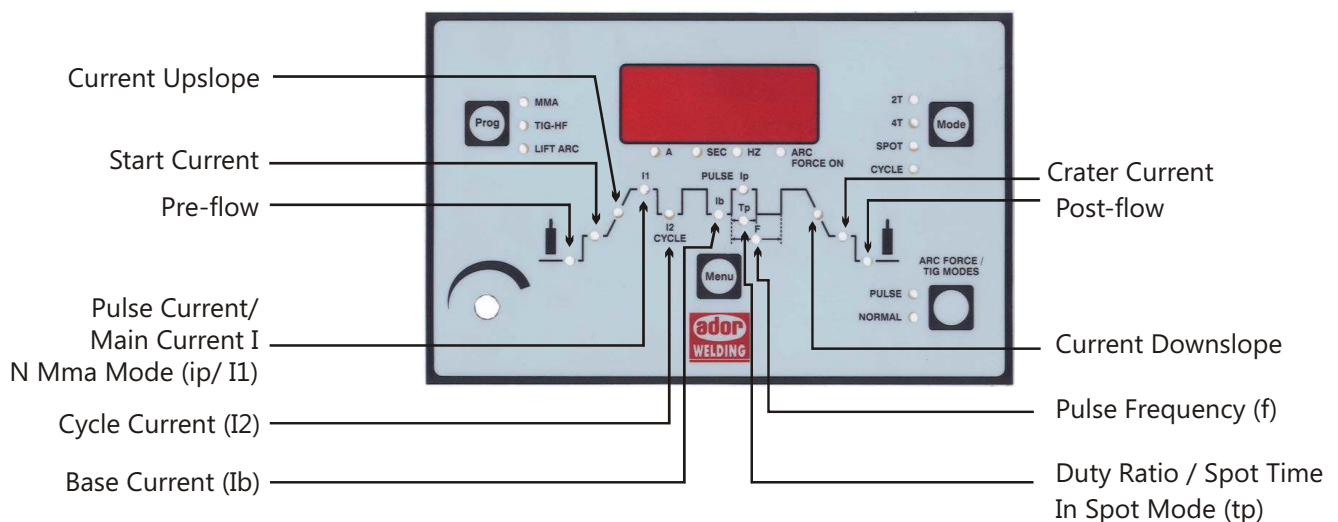
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SALIENT FEATURES

- Latest PWM inverter technology
- IGBT based
- Smooth and stable arc with spatter less welding
- HF start ignition
- High efficiency (>83%) Pulse TIG for precision welding

CONTROL PANEL FUNCTIONS

Main current in MMA mode









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SPECIFICATIONS :

Technical Specifications	Unit	CHAMPTIG 300P	
Input			
Input Supply :			
Voltage 	Volt	415 , +15%, -10%	
Phase	No	3	
Frequency	Hz	50/60	
		MMA Mode	TIG Mode
Efficiency @ 100% duty cycle	%	82	77
Power Factor @ 100% duty cycle	OSØ	0.93	0.93
Input KVA 			
@ 100% duty cycle	KVA	7.5	7
@ No Load	KVA	0.19	0.19
Output			
Open Circuit Voltage 	Volt	70	
Welding Current Range		MMA Mode	TIG Mode
Welding Current	Amps	50-250	5-300
@ 100% duty cycle	Amps	195	230
@ 60% duty cycle (10 min cycle)	Amps	250	300
Pulse TIG Parameters			
Duty Ratio	%	10-90	
Pulse Frequency	Hz	0.5-10	
Base Current	Amps	5 - 90% of I _{pulse} current	
Pulse Current (I _{pulse})	Amps	5-300	
General			
Start current	Amps	5-300	
Current unsplope time	Sec	0-10	
Current down slope control	Sec	0-10	
Pre-Flow	Sec	0-5	
Post-Flow	Sec	1-20	
Crater current	Amps	5-300	
Current / Voltage Display		7 –Segment LED Display for Current & Other parameters	
Ingress Protection	Class	IP23	
Cooling 	Type	Forced Air	
Insulation	Class	H	
Welding Output Terminals	-	Cam Lock connections	
Dimensions 			
Length	mm	610	
Width	mm	295	
Height	mm	480	
Weight (approx.) 	Kg	38	

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Water Cooling Unit		
Input Supply Voltage (AC)	Volts	230
Phase	-	1
Frequency	Hz	50-60
Water Reservoir Capacity	Liters	8
Flow rate	Ltr/min	10
Dimensions		
Length	mm	560
Width	mm	325
Height	mm	285
Weight (approx.)		Kg
18		
Trolley		
Dimensions		
Length	mm	660
Width	mm	525
Height	mm	415
Weight (approx.)		Kg
10		

- Warranty: One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/ Area / Authorised Distributors are free from defects in materials and workmanship and Offices will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.

ADOR WELDING LIMITED

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