

CHAMPTIG 400 P

The Indigenous World Class Inverter Based DC TIG and DC Pulsed TIG 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
- HF ignition
- Intelligent protection: over/under voltage, over current / temperature
- Water cooled Torch with water cooling unit option.

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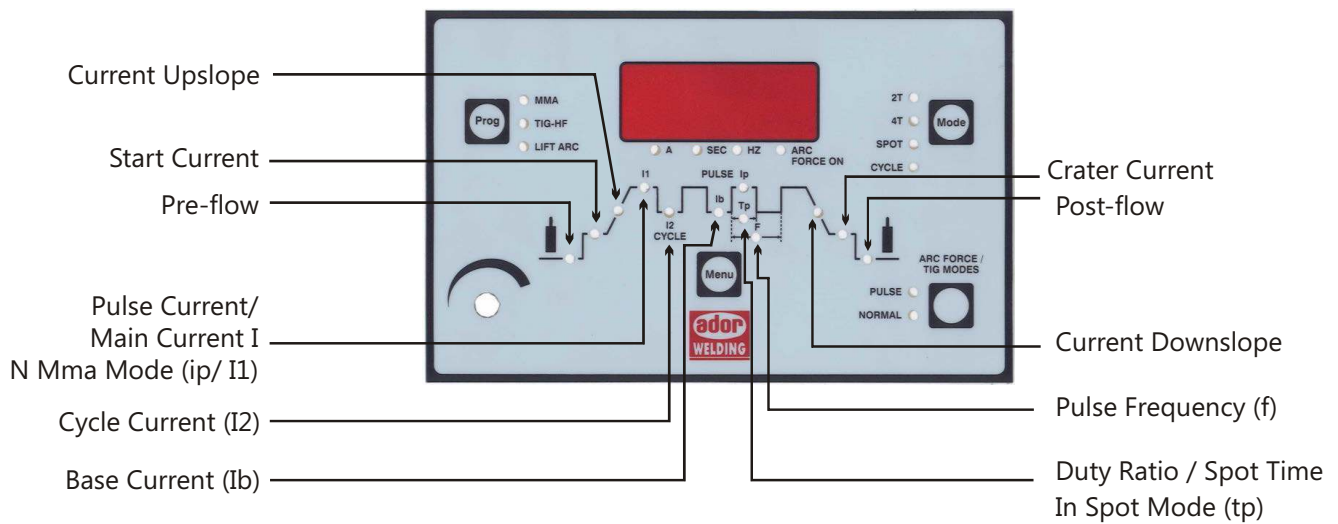
SALIENT FEATURES

- Latest PWM Inverter Technology
- High Efficiency (> 85%)
- Smooth and stable arc with spatter less welding



CONTROL PANEL FUNCTIONS









Main current in MMA mode



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Technical Specifications	Unit	CHAMPTIG 400P	
Input			
Input Supply :			
Voltage 	Volt	415 , +15%, -10%	
Phase	No	3	
Frequency	Hz	50/60	
Efficiency @ 100% duty cycle	%	85	
Power Factor @ 100% duty cycle		0.94 Max	
		MMA Mode	TIG Mode
Input KVA 			
@ 100% duty cycle	KVA	13	10
@ No Load	KVA	0.13	0.13
Output			
Open Circuit Voltage 	Volt	70	
		MMA Mode	TIG Mode
Welding Current Range 	Amps	50-400	10-400
Welding Current			
@ 100% duty cycle 	Amps	310	
@ 60% duty cycle (10 Mins cycle)	Amps	400	
Pulse TIG Parameters			
Duty Ratio	%	10-90	
Pulse Frequency	Hz	0.5-10	
Base Current	Amps	10 - 90% of I _{pulse} current	
Pulse Current (I _{pulse})	Amps	10-400	
General			
Start current	Amps	10-400	
Current unsplope time	Sec	0-10	
Current down slope control	Sec	0-10	
Pre-Flow	Sec	0-5	
Post-Flow	Sec	0.1-20	
Crater current	Amps	10-400	
Current / Voltage Display		7-Segment LED Display for Current & Other parameters	
Ingress Protection	Class	IP23	
Cooling 	Type	Forced Air	
Insulation		H	
Welding Output Terminals	Class	Cam Lock connections	
Dimensions 			
Length	mm	660	
Width	mm	315	
Height	mm	485	
Weight (approx.) 	Kg	46	

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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	1005
Width	mm	500
Height	mm	109
Weight (approx.) 	Kg	35

- 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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