

CHAMP TIG 210 P

HIGH POWER, HIGH PORTABILITY, COMPACT
DC TIG / PULSED TIG / MMA WELDER



CHAMP TIG 210 P



Key Attributes

- IGBT Inverter based technology, PWM control with constant output current –suitable for MMA, DC TIG, DC PULSED TIG welding.
- High performance MCU, Digital control, Digital display
- 2T HF/ 4T HF/ 2T Lift TIG/ 4T Lift TIG, current down slope and up slope, gas post-flow, Pulse Frequency
- Intelligent protection: over voltage, under voltage, over current, overheat.
- Lightweight and easily portable.



Parameter Setting Specifications In Different Welding Modes

Parameter	MMA Mode	TIG Mode	Unit
Hot Start	0 –10 (10 Signifies 100%)	Na	%
Arc Force	0 –10 (10 Signifies 100%)	Na	%
Welding Current Set	5-200	5-220	Amps Dc
Gas Pre-flow Time	Na	0.1-1.0	Secs
Start Current	Na	5-220	Amps Dc
Current Upslope Time	Na	0-10	Sec
Peak Current (ip)	Na	5–220	Amps Dc
Base Current (ib)	Na	5–220	Amps Dc
Pulse Frequency (f)	Na	0.5-100	Hz
Duty Cycle	Na	5-100	%
Current Downslope Time	Na	0-10	Secs
Crater Current	Na	5-220	Amps Dc
Gas Post-flow Time	Na	0.1-10	Secs



Technical Specifications

Parameter	MMA Mode	TIG Mode	
Input Supply	240 V + 10% / -15%, 1, 50 / 60		VAC, Nos.,Hz
Input KVA	5 @ 100%; 6 @ 60%; 9 @ 35%	4 @ 100%; 5.5 @ 60%; 7.8 @ 35%	%
Open Circuit Voltage	70 ±5		Volts DC
Welding Current Range	5 -200	5 -220	Amps DC
Welding Current Duty Cycle	120 @ 100%, 150 @ 60% 200 @ 35%	130 @ 100%, 170 @ 60% 220 @ 35%	Amps DC
Power Factor	0.7		Cos Ø
Efficiency	85		%
Insulation	F Class		
Ingress Protection	IP 23		Type
Suitable For Welding Electrode Size	2.5, 3.15, 4.0		MM Dia.
Front Panel Functions	MMA/4T LIFT/2T LIFT/4T HF/2T HF-VIA Welding Mode Selection Switch.		
	Selection Via Encoder For All TIG / MMA Related Functions / Settings		
	Encoder Adjustable Hot Start, Welding Current & Arc Force In MMA Mode		
	Mains on Green Led & Trip (Machine Under Protection) Yellow Led Indicators		
Protections	Overvoltage, Undervoltage, Overcurrent, Over Heating		Modes
Cooling	Forced Air –cooling Fan		Type
Dimensions (LxWxH)	400x120x240		Mm
Weight (Approx.)	9.0		Kg

WARRANTY DETAILS

Duration: One year from the commissioning date. ADOR WELDING LIMITED ensures new equipment sold through Plant/Area Offices/Authorized Distributors is free from defects in materials and workmanship, performing as per applicable specifications.

Cable Wear: ADOR is not liable for wear and damage to cables caused by flexing and abrasion. Users must regularly inspect cables for wear and address any issues before cable failure occurs.

Design and Specification Changes: ADOR WELDING LIMITED reserves the right to modify designs and specifications without prior notice due to continuous development.

Customer Care: Supported by a dedicated customer care package.



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