

CHAMPTIG 300 P

INVERTER BASED DC TIG AND DC PULSED TIG WELDER

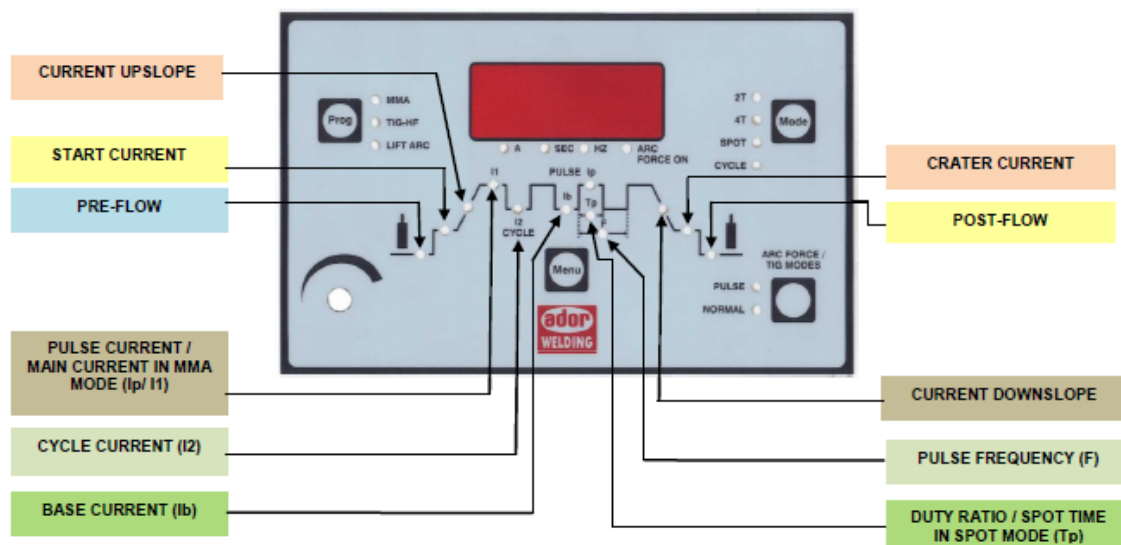


peace of mind™



CHAMPTIG 300 P is an inverter based, High efficiency and High Power-Factor DC Pulse TIG/ MMA Welder. It is useful for a wide variety of material types and thickness. Full featured TIG controls is possible with HF ignition. The equipment is provided with Intelligent protection: over/under voltage, over current / temperature. It comes with option of Water-cooled Torch with water cooling unit or with Gas cooled Torch.

CONTROL PANEL FUNCTIONS



CREATING THE BEST WELDING EXPERIENCE

www.adorwelding.com

Corporate Marketing Office: Survey No. 147 / 2B +3, Near Akurdi Chowk, Chinchwad, Pune – 411 019. Maharashtra, INDIA.

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POWER SOURCE	MODEL	CHAMP TIG 300 P
PARAMETER	VALUE	UNIT
SUPPLY VOLTAGE, PHASE, FREQUENCY	415 V +15%, -10%, 3 PHASE, 50 / 60 HZ	VOLTS, AC
INPUT KVA @ 415 V SUPPLY	MMA MODE – 7.5, TIG MODE – 7.0 @ 100% DUTY CYCLE; MMA MODE – 0.19, TIG MODE – 0.19 @ NO LOAD	KVA
POWER FACTOR @ 100% DUTY CYCLE	0.93 MAX.	λ
EFFICIENCY @ 100% DUTY CYCLE	> 82 %	%
OPEN CIRCUIT VOLTAGE @ 415V INPUT SUPPLY	70 V DC (+/- 5 V)	VOLTS, DC
WELDING CURRENT RANGE	MMA MODE 50 - 250, TIG MODE 5 - 300	AMPS, DC
WELDING CURRENT AT 40 DEG C, 10 MINUTE CYCLE	MMA MODE 195, TIG MODE 230 @ 100% DUTY CYCLE; MMA MODE 250, TIG MODE 300 @ 60% DUTY CYCLE	AMPS, DC
OPTIONAL HANDHELD REMOTE CONTROLLER	PROVIDED AS OPTIONAL FOR CURRENT SETTING IN MMA / TIG MODE	10 METER
PROTECTIONS	OVER VOLTAGE, UNDER VOLTAGE, SINGLE- PHASING, OVER TEMPERATURE	
FRONT PANEL FUNCTIONS	1) MMA/ HF TIG / LIFT ARC TIG SELECTION SWITCH 2) 2T/ 4T/ SPOT/CYCLE SELECTION SWITCH 3) PULSE/ NORMAL MODE SELECTION SWITCH 4) MENU SWITCH FOR SELECTING ALL FUNCTIONS FOR PULSE - GAS PRE / POST-FLOW, PULSE FREQUENCY, CURRENT UPSLOPE / DOWNSLOPE TIME, WELDING CURRENT (PEAK CURRENT FOR PULSING MODE), BACKGROUND CURRENT (FOR PULSING MODE), SET CURRENT TIME - AS PER SELECTED MODE OF OPERATION 5) MAINS ON 'GREEN' / TRIP "RED" LED INDICATION 6) ENCODER FOR SELECTED PARAMETER INCREMENT / DECREMENT	
COOLING	FORCED AIR	TYPE
CLASS OF INSULATION	H	-
DEGREE OF PROTECTION	IP23S	-
DIMENSIONS L X W X H (WITHOUT HANDLE)	610 X 295 X 480	MM
WEIGHT (APPROX.)	38	KG.

TIG WELDING PARAMETER SPECIFICATIONS

PARAMETER	VALUE	UNIT
GAS FLOW TIME	PREFLOW 0 – 5, POSTFLOW 0.1 - 20	SEC.
START CURRENT IN TIG	5 – 300	AMP.
CURRENT SLOPE TIME	UP SLOPE 0 – 10, DOWN SLOPE 0 - 10	SEC.
BASE CURRENT TIG	10% - 90% OF PULSE CURRENT	AMP.
PULSE / CRATER CURRENT TIG MODE	5 – 300	AMP.
PULSE WIDTH	10 TO 90% OF WIDTH OF PULSE CURRENT	%
PULSE FREQUENCY	1.0 - 300	HZ
SPOT TIME	1 – 10	SEC.

WATER COOLING UNIT	WCU - 01	MODEL
PARAMETER	VALUE	UNIT
SUPPLY VOLTAGE, PHASE, FREQUENCY	230 V, 1 PHASE, 50 / 60 HZ	VOLT, AC
COOLING CAPACITY	750-1000	W
MAX MOTOR POWER	180	W
MAX PUMP PRESSURE	3.2	BAR
MAX PUMP FLOW RATE	10	L/MIN
TANK CAPACITY	8	L
DIMENSIONS (L X W X H)	560 X 325 X 285	MM
WEIGHT(APPROX.)	18	KG.

Warranty: One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorized Distributors are free from defects in materials and workmanship and 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.

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