

CHAMPTIG 300 AD

INVERTER BASED AC/DC MIXED PULSED TIG WELDING SYSTEM



- Large Input Supply voltage range with under/over voltage, single phase protection.
- Higher Efficiency & Power Factor.
- Lower Power consumption.



ADOR WELDING LIMITED

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**Features & Benefits :**

- In built Spot TIG welding facility, AC/DC as well as Mixed TIG welding Facility. In built PULSE TIG Welding controls with independent settings of All parameters from Front Panel. Optionally Welding Current Variation possible by using Remote Control (Hand Held) or Foot Control Regulator.
- Cleaning width Control in AC TIG welding enables user to adjust Oxide Cleaning as well as Penetration of weld puddle according to his choice.
- Constant current characteristics - within +/- 1% irrespective of arc length variation.
- Higher Efficiency Greater than 80% Power Factor Greater than 0.9, Low Power Consumption No load power Less than 100W. Saves power bills by 33%.

TECHNICAL SPECIFICATIONS					
INPUT	Unit	Value	GENERAL	Unit	Value
I/P Supply Voltage	Volt	415 + 10%, - 25%	Insulation	Class	F
Phase	No.	3	Cooling	Type	Forced Air
Frequency	Hz	50	Protection	Class	IP 21 S
Max. Rating MMA	KVA	10.8	Protections Provided		
DC TIG	KVA	11.0	Thermal Overload		Provided
AC TIG	KVA	12.0	Under Voltage		Provided
OUTPUT			Over Voltage		Provided
Open Circuit Voltage	Volt	90	Single Phasing		Provided
Welding Current Range MMA	Amp	10-250	DIMENSIONS		
DC TIG		10-300	Length	mm	750
AC TIG		25-300	Width	mm	570
Max. Conts. Hand Welding			Height	mm	315
Current @60% Duty MMA	Amp	250	Weight	Kg	50
DC TIG	Amp	300	TORCH		TIG 300-4.5
AC TIG	Amp	300	Max. Current Carrying Capacity		
SPOT / PULSE TIG PARAMETERS			@60% duty Cycle	DC / Amps	300
Initial Current	Amp	10-90% of Background Current		AC / Amps	300
Pulse (Peak) Current DC TIG	Amp	10-300	CABLE	Type	Co-Axial
AC TIG	Amp	25-300	CABLE LENGTH	MTR	4.5
Base (Background Current) DC TIG	Amp	10-300	Cooling	Type	Water
AC TIG	Amp	25-300	Suitable for Electrode Dia	mm	1.6, 2.4, 3.2, 4.0
Low Pulse Frequency	Hz	0.5 - 15	WATER COOLING UNIT		WCU 30
Middle Pulse Frequency	Hz	15 - 500	Input Supply Voltage	Volts	230
Pulse Width	%	10-90% of Peak Current		Phase	1
Downslope Time	Secs	0.1-5		Freq.	50
Crater (Final) Current	Amps	10-90% of Background Current	Water Reservoir Capacity	Ltrs	10
Cleaning Width	%	10-50%	Dimensions		
Arc Spot Time	Secs	0.1-5	Length	mm	290
Gas Post flow Time	Secs	2 - 25	Width	mm	400
			Height	mm	380
			Weight	Kg	14

OPTIONAL ACCESSORIES:	Unit	Value
Remote Control Regulator :		
Model : RCU-T with 5 Mtr. Interconnection Cable	6410200	1 No.
Foot Control Regulator :		
Model : FCR-T with 5 Mtr Interconnection Cable	6410201	1 No.
Pressure Regulator Cum Flow		
Meter for Argon Gas (TIG), Model : PRF-AT	6400170	1 No.
Set of Tungsten Electrodes : Model : TE 30 Consisting of :	3802102	1 Set
a) 1.6 DIA x 150 mm Long		1 No
b) 2.4 DIA x 150 mm Long		1 No
c) 3.2 DIA x 150 mm Long		1 No
d) 4.0 DIA x 150 mm Long		1 No
Set of Welder's Accessories, Model : WAT Consisting of :	6400101	1 Set
a) Protective Helmet with Glass		1 No
b) Pair of Hand Gloves		1 Pair

Contact Authorised Distributor :

