

TIG 510i

Heavy Duty Industrial TIG Welder



TIG 510i

Efficiency with Ruggedness

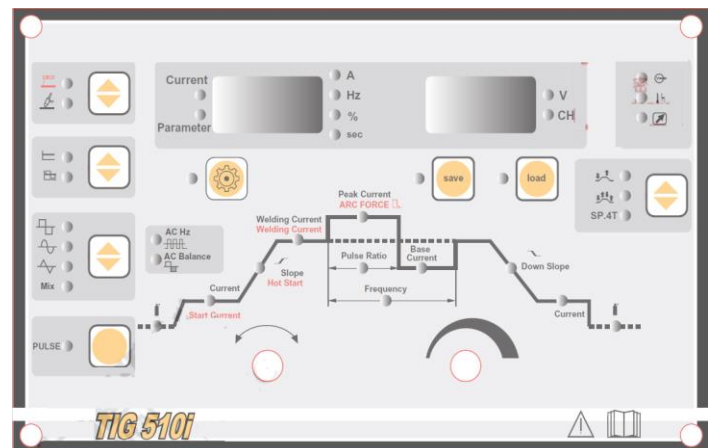
TIG 510i is a digitally controlled AC/DC TIG inverter welding power source with HF start and consistent, stable arc in both DC and AC modes. Its Integrated cooling unit ensure trouble free welding for heavy duty applications.

- User-friendly interface with a digital display
- Adjustable pulse waveshape (Square, Sinusoidal & Triangle) enhances better control over the weld pool, arc stability and heat input.
- AC Frequency and Balance control - Optimises weld pool
- Ease of Movement: In-built trolley with large wheels provision for cylinder mount.
- Program Memory: 10 sets of welding parameters

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Industry or Process

- Pipeline
- Industrial and General Fabrication
- Repair and Maintenance
- Civil Construction



Control Panel

TIG 510i

Specifications	
Model	TIG 510i
Mains Supply, V / Ph,Hz	415 ± 15% / 3, 50/60
Rated Input Current, A	40
Rated Input Power, KVA	27.7
Output Current Range TIG AC / DC & MMA , A	TIG AC 25 - 500 TIG DC 20 – 500 MMA 25-500
Output Voltage Range, TIG AC / DC & MMA ,V	TIG AC 11 - 30 TIG DC 10.8 – 30 MMA 21-40
Duty Cycle 60% , TIG AC / DC & MMA , A	TIG AC 500 TIG DC 500 MMA 500
Duty Cycle 100%, TIG AC / DC & MMA , A	TIG AC 387 TIG DC 387 MMA 387
Open Circuit Voltage, V	79
Pulse Ratio , %	10 – 90
Pulse Frequency, Hz	0.3 - 300
AC Frequency, Hz	40 – 150
Pre & Post Gas Flow Time, S	0 - 10 0 – 60
Up & Down Slope Time, S	0 - 10 0 – 10
Power Factor at maximum current	> 0.95
Efficiency at maximum current, %	78
Protection Class	IP 21S
Insulation Class	F
Operating temperature, deg C	-10°C to +40°
Weight, Kg	114
Dimensions (L x W x H), mm	990 x 503 x 1125
Standards of conformity	IEC60974-1
Cooling Unit	
Input Supply, V/Hz	1 - 400 (From Power Source), 50/60
Cooling Tank capacity, L	10.8
Max Pressure, PSI	35
Max flow , LPM	9

Ordering Information	
Description	Part Number
TIG 510i	4640230301

TIG 510i is delivered with 2.5m mains cable, 5m water cooled TIG torch, 3m return cable with clamp and 4m gas hose.



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