

TitanTig 250P AC/DC



Function & Process

A precision aluminum welding system compatible with all materials, featuring ergonomic design that enables customized configurations optimized for your specific operational requirements.

AC balance(30~80%)control monitors the oxide and helps better cleaning during aluminum welding

Protections Equipped with temperature, voltage and current sensors for high protection.

AC waveforms include square wave, sine wave, triangular wave and trapezoidal wave.

Optional wireless control panel and foot pedal.

Valued Features

- Generator Friendly
- MCU Control System
- Smart Knob Operation
- Easy and intuitive parameter selection with Smart Knob
- Wireless Remote Control

Specifications

Model

Titan Tig250P AC/DC

Input Voltage	1Phase~AC 230 (±15%) /50-60Hz			
Main Fuse(A)	60			
Process	TIG AC	MMA AC	TIG DC	MMA DC
Rated KVA	8.4	12.6	8.4	12.6
Rated Output KVA	5.0	7.5	5.0	7.5
No-load Voltage (V)	52	52	52	52
Welding Current Range (A)	10~250	10~250	10~250	10~250
Duty Cycle I _{max} (40°C)	250A@40%	250A@40%	250A@40%	250A@40%
Dutycycle 100%(40°C)	158A	158A	158A	158A
Duty cycle 60%(40°C)	204A	204A	204A	204A
UP slope/Down slope Flow (S)	0~10			
Pre/Post Flow(S)	1~10			
Pulse frequency (HZ)	0.5~999			
AC frequency (HZ)	TIG DC			
Pulse width range (%)	8.4			
Clearance effect(AC TIG)	5.0			
Efficiency(%)	52			
Power Factor	10~250			
Protection Class	250A@40%			
Insulation Class	158A			
Dimensions (L*W*H)	204A			
Weight (Kg)	26			

Ordering Information

Standard Fittings

Headux Code

4m TIG26 torch(with current regulation)	A13301-049
3m 16mm² Earth lead(300A Earth clamp)	A80403-003
3M Gas hose	A80407-005

Options & Accessories

Options & Accessories

Headux Code

4m TIG26 torch(without current regulation)	A13301-048
8m TIG26 torch(without current regulation)	A13301-025
8m TIG26 torch(with current regulation)	A13301-026
3m 16mm² welding lead (200A Electrode Holder)	A80404-008
3M Wired pedal	A91001-903

TitanTig 250P ACDC PRO LCD



Large LCD Screen

LCD Interface with user-friendly visual welding settings

Ultra Light-weight and Portable Designed for portability-only 26kgs.

The compact size allows you to take it anywhere, making it ideal for both workshop and on-site use.

6in1 Welding Modes

Supports AC/DC TIG, AC/DC Pulse TIG, and AC/DC STICK – six modes in total. It works with a wide range of materials including aluminum, stainless steel, carbon steel, and iron.

Pulse TIG Technology

AC Pulse (for aluminum): provides a stable arc, improves oxide cleaning, reduces heat input, and produces cleaner welds with less distortion.
DC Pulse (for steel/stainless steel): minimizes burn through and warping on thin materials, offers excellent puddle control, and easily creates a stack of dime bead appearance.

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Professional Adjustment Features

Offers adjustable parameters such as preflow/post flow gas timing, initial current, upslope, peak current, base current, downslope, crater current, pulse duty cycle, AC frequency, AC balance, and pulse frequency.

Supports 2T/4T trigger modes for convenient tack welding and continuous operation.

A 12pin foot pedal interface is reserved (pedal sold separately) for remote on/off control and current adjustment.

Wide Range of Applications

Perfect for home garages, garden maintenance, farm repairs, auto repairs, roadside emergency fixes, and metal art creation

Specifications

Model

TitanTig 250P ACDC PRO LCD

Input Voltage	1Phase~AC 230 (±15%) /50-60Hz			
Main Fuse(A)	60			
Process	TIG AC	MMA AC	TIG DC	MMA DC
Rated KVA	7.5	11.3	7.5	11.3
Rated Output KVA	4.5	6.8	4.5	6.8
No-load Voltage (V)	52	52	52	52
Welding Current Range (A)	10~230	10~230	10~230	10~230
Duty Cycle I _{max} (40°C)	230A@25%	230A@25%	230A@25%	230A@25%
Dutycycle 100%(40°C)	115A	115A	115A	115A
Duty cycle 60%(40°C)	149A	149A	149A	149A
UP slope/Down slope Flow (S)	0~10			
Pre/Post Flow(S)	1~10			
Pulse frequency (HZ)	0.5~999			
AC frequency (HZ)	60			
Pulse width range (%)	5~95			
Clearance effect(AC TIG)	15~50			
Efficiency(%)	85			
Power Factor	0.7			
Protection Class	H			
Insulation Class	IP23			
Dimensions (L*W*H)	465*146*278			
Weight (Kg)	26			

Ordering Information

Standard Fittings

Headux Code

4m TIG26 torch(with current regulation)	A13301-049
3m 16mm² Earth lead(300A Earth clamp)	A80403-003
3M Gas hose	A80407-005

Options & Accessories

Options & Accessories

Headux Code

4m TIG26 torch(without current regulation)	A13301-048
8m TIG26 torch(without current regulation)	A13301-025
8m TIG26 torch(with current regulation)	A13301-026
3m 16mm² welding lead (200A Electrode Holder)	A80404-008
3M Wired pedal	A91001-903