



**Just one, to meet all your  
TIG welding needs!**



## **iTIG250ACDC** **250AMP AC/DC TIG ALUMINUM WELDER WITH PULSE**

### Highlighted Features

- Professional, single phase, 250 Amp AC/DC TIG welding machine, suitable for welding most materials including steel, stainless, aluminium and copper.
- The iTIG250ACDC TIG Welder with Pulse features the versatility to suit the needs of hobbyists and professional welders, especially for welding aluminum with AC TIG and Pulsed AC TIG Modes.
- This welder is used in both semi-automatic and automatic versions of welding.
- It produces high performance with an array of pulse features, includes 250 amps of alternating current (a start AMP 5 to 250) or direct current TIG welding along with stick function, comes with CWP-26 heavy-duty TIG torch.
- Pulse frequency control, pulse width/frequency (0.5Hz-200Hz).
- Pre-flow and post-flow time control (0.1s-10s).
- Up/down-slope time control (0.1s-15s), fine control of current reversal.
- Self-adjustable arc force current: for good operation while under long-distance welding.
- Square wave is the best option to improve your weld quality and make aluminum welding easier.
- Capable of 2T/4T/spot welding to meet various welding process demands.
- MMA hot start, easy arc start, stable current, minimum spatter, no sticking, good shaping, and self-adaption to different cable length and cross-section.
- Works best on aluminum, nickel alloy, stainless steel, titanium, mild steel, copper, etc.
- When there is large scale voltage fluctuation, the welder will shut off automatically and display the failure information; welder will restart when network voltage is stable.
- The welder will shut off in case of over-current, over-heat, or other abnormalities, and display the according to failure information. Multi protections largely prolong the welder's lifespan.
- Great reduction in copper and core loss greatly enhances the welding efficiency and saves energy.
- Switching frequency is beyond audio frequency, which almost eliminates noise pollution.

# TIG250P AC/DC



## Panel Description

- Start current selector
- Peak current selector
- Base current selector
- Down slope
- Pulse frequency
- Pulse width %
- Post gas flow
- AC balance
- AC/DC mode
- 2T/4T mode
- MMA/TIG mode
- Remote ON/OFF
- Digital display
- OC light
- Pulse ON/OFF

**Excellent  
Welding  
Performance**



## Technical Parameters

## iTIG250ACDC

Input voltage, VAC	AC220±10%, 1-Ph, 50/60Hz
Rated input peak current, A	30
Power capacity, kVA	6.5
Output current range (TIG), A	5-250
Output current range (MMA), A	10-250
Arc force current range, A	0-50
Spot welding time, S	0.5-10
No load voltage with VRD, V	9
No load voltage without VRD, V	56
Duty cycle, %	60
Pre-flow time, S	0.1-10
Up-slop time, S	0-10
Down-slop time, S	0-15
Post-flow time, S	0.5-15
Pulse frequency, Hz	0.2-500
Pulse width, %	1-99
Remote control	Yes
Arc start	HF start
Efficiency, %	85
Power factor, cosφ	0.93
Insulation grade	H
Enclosure protection class	IP23
Dimensions, mm	590x345x485
Weight, kg	32

**What's included:** TIG-250P AC/DC welder, CWP-26 TIG torch 13ft, electrode holder 10 ft, earth clamp 10 ft, gas hose, argon regulator, flow meter, user manual. Additional TIG accessories: 3 collets, 1 collet Body, 3 alumina ceramic cup, 1 long back cap, 1 short back cap.