

PULSEWAVE200

High-end, Professional, Powerful
AC/DC pulsed TIG welding machine



TIG



STICK

Powered by fast response **MCU** (microcontroller), WeldKing® **PulseWave200** is a full feature digitalized AC/DC TIG welding power source. Weighting less than 23pounds (10Kg), the unit generates up to 200A output with 35% duty cycle, meanwhile delivers exceptional stable, focus arc at as low as 5A.

Innovative **NaviGear™ pilot navigation technology** offers capacity of single knob adjustment of all settings, turns complicated parameter tuning process into unbelievable easy experience.

Large built in memory allows for up to **10 sets** of parameters to be stored. Operator can switch quickly between the routine jobs. "Lockout" mode ensures the welding quality consistence in production.

Four professional AC wave shapes. Unique **Trapezoidal wave** delivers quieter arc with maximum puddle control and good wet action meanwhile keeps all the advantages of true square wave.



10%-99% AC balance adjustable range provides unmatched oxide removal capability.

AC frequency is variable from **50Hz** to **250Hz**, allows precise control of the arc in aluminum welding.

Empowered by state of art ultra-high **900Hz** pulse generator, the unit has excellent high speed performance on thin material.

Process:

- ▽ AC/DC Pulsed TIG (P-GTAW)
- ▽ AC/DC STICK (SMAW)
- ▽ Air Carbon Arc Gouging((CAC-G)

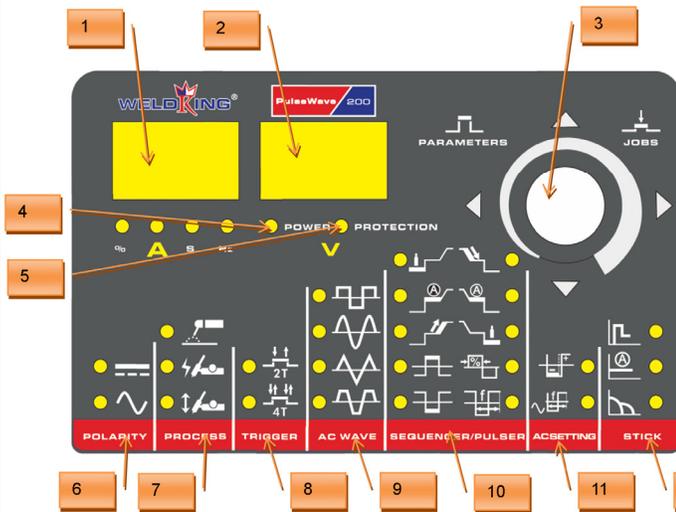
Applications:

- ▽ Precision fabrication
- ▽ Maintenance & Repairs
- ▽ Aerospace
- ▽ Nuclear piping
- ▽ Motorsports
- ▽ School & training facility
- ▽ Boats and trailers
- ▽ Automotive
- ▽ On-site welding

Quick specification

Input	Process	Amp range	Duty cycle	Rated output	Input current @rated output	Max OCV	Dimension	Weight
200V(208V) /230V 1ph, 60Hz	AC	5-200A	200A/35% 165A/60% 120A/100%	TIG: 200@18V STICK: 200@28V	TIG: 20A STICK: 31.5A	66V	48 x14 x24cm (19x5 ^{1/2} x9 ^{1/2} in)	10.5kg (22.5lbs)
	DC	5-170A	170A/40% 140A/60% 110A/100%	TIG: 170@16.8V STICK: 170@27V	TIG: 16.2A STICK: 25.7A			

Control configuration



- 1. Digital current meter**
- 2. Digital voltage meter**
- 3. Four-way navigation control knob**

Slope-down time: 0-10s
 Finish current:
 AC: 5-200A, DC: 5-170A

- 4. Protection light**
- 5. Power light**
- 6. Polarity selection:**
AC/DC

Gas post-flow time: 0-10s

Peak current:
 5-200A for AC, 5-170 for DC
 Base current:
 5-200A for AC, 5-170 for DC

- 7. Process selection:**
STICK/HF TIG/Lift-Arc TIG
- 8. Trigger sequence :** 2T/4T

% Pulse time: 5-95%
 Pulse frequency: 0.5-900Hz

- 9. AC wave shape :**
True square, Sine,
Triangular, Trapezoid
- 10. Sequencer and pulser:**
Gas pre-flow time: 0.1-10s

11. AC setting:
AC balance: 30-99%

- 12. STICK setting:**
Start current:
AC: 5-200A, DC: 5-170A
Slope-up time: 0-10s

AC Frequency: 50-250Hz
 Hot start: 0-100%
 STICK current: 5-170A
 Arc force: 0-100%

Standard unit includes

- ▽ 1pc: PulseWave200 power source with 10 ft (3m) power cord and NEMA 6-50P AC plug
- ▽ 1pc: WeldKing® PRO26 TIG torch, 26 ft (8M) with on/off switch, 26 style consumables (**Order No 07002610**)
- ▽ 1pc accessories kit include 1 each short back cap. collet body 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). collet 1/8" (3.2mm), 3/32" (2.4mm), 1/16" (1.6mm). nozzle alumina No5, No6, No7. tungsten electrode 1/8" (3.2mm), 3/32" (2.4 mm) , 1/16" (1.6mm) Thoriated type (red band)
- ▽ 1pc: Argon regulator / gauge (**Order No 07000510**)
- ▽ 6.5 Ft. (2M) hose with male 5/8-18 gas connector on both end
- ▽ 1pc: 300 Amp ground clamp with 16 ft (5 M) lead (**Order No 07000462**)
- ▽ 1pc: Owner's manual (**Order No 07000417**)

Accessories



WeldKing® PRO26 TIG torch, 26 ft (8 M) cable with 12-pin plug and on/off switch+ remote current control.

Order No 07002615

Rated current (A): 200A/DC,150A/AC @60% duty cycle
 Rated voltage (V): <113
 Cooling method: Air cooled
 Air consumption (l/min):4-15
 Electrode Range (mm): 0.5 – 4.0(0.020 –5/32 in)
 Consumables: 26 style



WeldKing® FC25-HD foot paddle with on-off switch and remote current control, 26 ft (8M) cable and 12-pin plug.

Order No 07002510

WeldKing® FC25-WL wireless foot paddle

Order No 07002515

Power supply: three AAA batteries
 Operating range (M) 100 (330ft) maximum
 Frequency (Hz): 2.4G



WeldKing® YK25-WL wireless remote control

Order No 07002518

Power supply: three AAA batteries
 Operating range (M): 100 (330ft) maximum
 Frequency (Hz): 2.4G

Manufactured at



Certified Facility

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