

SQUARE WAVE® TIG 200

200 Amp AC/DC TIG and Stick Welding Power Source



Advanced Features Yet Easy to Use

- Simple user interface makes machine setup easy.
- Available features like pulse mode help make you a better TIG welder, faster.

Great TIG Machine for Aluminum

- High frequency starting for aluminum welding.
- Allows adjustments for wider or tighter arc configurations.
- Built-in settings for more cleaning action.

TIG and Stick from One Power Source

- TIG welding for critical welds where precision and bead appearance are important.
- Bonus of stick welding capability for outdoor work or thicker materials.

Take it Everywhere, Plug in Anywhere.™

- Plugs into a standard 120V or 230V circuit.
- Portable and convenient to use – only 46 lb (21 kg).

Processes

AC/DC TIG, Stick

Output



Input



Applications

- Home
- Hobby
- Shop
- Light Fabrication
- Motorsports
- Education

What's Included

- PTA-17 Series 150 Amp Air-cooled TIG Torch with Flexible Head and Ultra-Flex™ Cable Assembly with TIG Torch Parts
- Foot Amptrol™
- Regulator/Flowmeter with Gas hose
- Stick Electrode Holder
- Ground Clamp
- 120/230V Input Cords

Key Accessories

- [K520] Utility Cart
- [K963-3] Hand Amptrol™
- [K1781-1] PTA-9 125 Amp TIG Torch
- [K1783-1] PTA-26 200 Amp TIG Torch
- [KP507] Parts Kits for PTA-9
- [KP508] Parts Kits for PTA-17
- [KP509] Parts Kits for PTA-26

SQUARE WAVE® TIG 200 - SPECIFICATIONS

Product Number	Input Power: Voltage/Phase/Hertz	Rated Output: Current/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Weight lbs (kg)
K5126-1	120/1/60	TIG: 125A/25% TIG: 100A/40% TIG: 85A/60% Stick: 75A/20% Stick: 65A/60%	21A 17A 14A 19A 16A	TIG: 10-125A Stick: 10-90A	14 x 10.75 x 19.25 (358 x 282 x 502)	46 (21)
	230/1/60	TIG: 200A/25% TIG: 160A/40% TIG: 130A/60% Stick: 170A/20% Stick: 100A/60%	22A 17A 13A 25A 13A	TIG: 10-200A Stick: 10-170A		

* 120V AC TIG 110A/25%

ADVANCED FEATURES

Setting	Range	Results	
AC Frequency	60-150 (Hz)	A lower frequency results in a wider bead	A higher frequency results in a more focused bead
AC Balance	60-90 (%Electrode Negative)	A lower AC Balance (%EN) results in an arc with increased cleaning action	A higher AC Balance (%EN) results in an arc with higher penetration
Pulse	0.1-20 (Pulses per second)	Lower pulse frequency helps moderate filler metal deposition	A higher pulse frequency helps manage heat input and minimize material distortion

CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

