

SQUARE WAVE® 205

AC/DC TIG & STICK WELDER



Shown:
SQUARE WAVE 205, K5613-1

THE POWER OF PRECISION AND SIMPLICITY

Discover a new wave of TIG innovation with the Square Wave 205 AC/DC TIG welder. With a user-driven design, enhanced digital interface, and outstanding arc performance, this machine allows you to tackle your next project with confidence and ease.

Whether you're a hobbyist or a full-blown fabricator, this compact machine delivers the perfect combination of machine control and welding capabilities to handle whatever comes your way.

Processes »

AC/DC TIG, AC/DC Stick

Applications »

Home, Hobby, Shop, Light Fabrication, Hobby Aviation, Motorsports, Makers, Education

Output »



Input »



Product Numbers »

SQUARE WAVE 205
K5613-1

VALUE-ADDED FEATURES

- **Simple User Interface** - bright 4.3" LCD display that makes setup intuitive and easy.
- **AC/DC TIG and AC/DC Stick Capabilities** - optimized processes for a variety of materials and applications with excellent E6010 and E7018 performance.
- **Advanced Features** - pulse, AC frequency, and AC balance to provide control no matter the material and application.
- **Robust Design** - Durable design, IP21S rated, for optimal performance in a wide range of environments and conditions.
- **Lightweight and Portable** - only 36 lbs. with ergonomic front handles and an integrated storage compartment to make transportation easy.
- **Dual Input Voltage** - 120V and 230V inputs so you can plug into any common power supply.

KEY CONTROLS

1. LCD Display

2. Process Indicator

3. Process Options

4. Process Selection Button

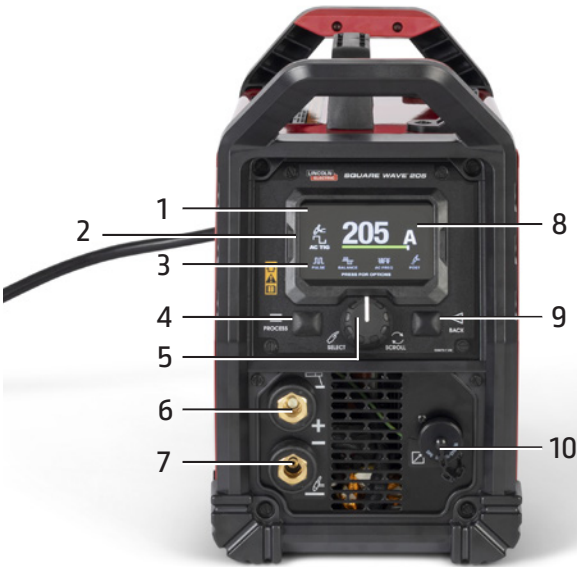
5. Scroll/Select Knob
6. Positive Output Receptacle

7. Negative Output Receptacle

8. Amperage Indicator

9. Back Button

10. 6-pin Remote Receptacle



WHAT'S INCLUDED

	Base Unit [K5613-1]
Caliber® 17 TIG Torch Ready-Pak® - 12ft. [K5339-17F-1]	•
Caliber 17/18/26 Series Medium Duty TIG Torch Parts Kit [KP4760-MD]	•
25 ft. Foot Amptrol™ [K870]	•
Gas Regulator [300369]	•
120V to 230V Power Cord Adapter - 20 in.	•
Electrode Holder with Twist Mate™ adapter - 10 ft.	•
Work Cable and Clamp with Twist Mate adapter - 10 ft.	•



RECOMMENDED ACCESSORIES



CanVAS™ Cover (Small-Medium)
Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.
Order K2377-1



Utility Cart
Upgrade your welding set up with this durable and versatile Utility Cart. This cart is designed to securely transport a power source, 150 cu. ft. gas cylinder, tools and welding accessories.
Order K520-1



Caliber® 26 Series TIG Torch - Flexible, 12.5 ft.
Premium Caliber® TIG Torch with a Flexible Torch Head and a 200A 60% Duty Cycle.
Order K4842-26F-1



Caliber® 9 Series TIG Torch - Flexible, 12.5 ft.
Premium Caliber® TIG Torch with a Flexible Torch Head and a 125A 60% Duty Cycle.
Order K4844-9F-1



Caliber® Stubby Torch Parts Kit - 17/18/26 Torches
Stubby torch parts for 17/18/18 TIG Kit using .040" - 1/8" tungsten electrodes
Order KP4765-ST



Hand Amptrol™ Rotary Track Style 25 ft. (7.6m) (6-Pin)
Provides 25 ft. (7.6 m) of remote current control for TIG welding.
Order K963-3



Caliber® 17/18/26 Series TIG Torch Expendables Kit - 0.040"-3/32"
Caliber TIG Expendables Kits include all of the front end parts needed to run a Gas Lens set up on 17/18/26 Series TIG Torches. Caliber TIG Expendables are compatible with both Lincoln Electric and competitive TIG Torches.
Order KP4760-MD



Welding Table and Workbench
Heavy-duty steel welding accessory features a 21 x 44 in. (533 x 1,117 mm) work surface with strategically located 16mm holes for clamps and squaring blocks, along with multiple slots for cutting and clamping.
Order K5334-1

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power: Voltage/Phase/Hertz	Rated Output Current/Duty Cycle	Output Range	Dimensions H x W x D in (mm)	Net Weight lb (kg)
SQUARE WAVE 205	K5613-1	120/1/60	TIG: 125A/25%* TIG: 100A/60% TIG: 85A/100% DC Stick: 80A/25% DC Stick: 70A/60% DC Stick: 65A/100% AC Stick: 70A/100%	TIG: 8-125A DC Stick: 15-90A AC Stick: 15-70A	14.75 x 9.27 x 21 (375 x 235 x 534)	36 (16.33)
		230/1/60	TIG: 205A/25% TIG: 160A/60% TIG: 130A/100% DC Stick: 170A/25% DC Stick: 130A/60% DC Stick: 100A/100% AC Stick: 140A/25% AC Stick: 115A/60% AC Stick: 100A/100%	TIG: 8-205A DC Stick: 15-170A AC Stick: 15-140A		

*AC TIG: 110A/25%

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed. Lincoln Electric is a responsive manufacturer, but the definition of specifications, and 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.

