Precision TIG 225

TIG WELDING MACHINE

LINCOLN ELECTRIC

Maximum Versatility

TIG and Stick

K2535-2 Precision TIG® 225 Ready-Pak® w/Cart Pkg shown

Get the widest operating range in its class (5 to 230 amps) with the durable Precision TIG® 225. Experience enhanced starting, optimal arc stability and accomplish more precise welds and crater fills with our patented Micro-Start™ II technology. The 115V receptacles enable you to power a water cooler or other power tools. Ideal for small auto and fabrication shops and vocational training schools.

Simple to Use, Easy to Customize

Simplicity

Easy-to-use operator interface – select mode, polarity and begin welding. When welding aluminum, AC Auto Balance® automatically provides for the optimal mix of cleaning and penetration.

Adjust for any situation: cleaning, penetration and pulse

When welding thicker material requiring increased penetration, or when requiring increased cleaning action to break through heavy oxide layers, bypass AC Auto Balance and adjust manually for full control.

Enable the TIG pulser feature to minimize material distortion from excessive heat input. The TIG pulser can also help moderate filler metal deposition for consistent bead appearance.

Superior stick welder

Also offers outstanding stick welding capabilities, including the use of up to 5/32 in. (4.0 mm) electrodes – even with Fleetweld® 5P+ (E6010).

Processes »
Stick, TIG

Applications »
Automotive/Motorsports, Vocational Schools, Home/Shop, General Fabrication

Output »
CC AC DC

Input »
1 PHASE 60 Hz 50/60 Hz

Product Number »
- K2533-2 Base Model
- K2534-1 Base Model
- K2535-1 Ready-Pak®
- K2535-2 Ready-Pak® w/ cart

COMPETITION ENGINEERING
FLOWMASTER
COMETIC
MSD
Kennedy
Kennedy

ACCESSORIES	Product Number	(K2533-2) 460/575/1/60	Ready-Pak (shipped fully assembled) (K2535-1) 208/230/1/60	Ready-Pak (shipped fully assembled) with cart (K2535-2) 208/230/1/60
GENERAL				
Torch Parts Storage Compartment		●	●	●
Torch Hanger		●	●	●
10 ft. (3.0 m) Work Cable & Clamp		●	●	●
Removable Lift Eye		●	●	●
9 ft. (2.7 m) Input Power Cord with NEMA 6-50P Plug		●	●	●
NEMA 6-50R Receptacle		●	●	●
TIG Procedure Guide		●	●	●
GTAW (TIG) Handbook		●	●	●
PTA-17 150 amp TIG torch w/ 1 pc. cable			●	●
12 ft. (3.6 m) Ultra-Flex™ Cable			●	●
Twist Mate™ Adapter			●	●
3/32 in. (2.4 mm) 2% Ceriated Tungsten			●	●
Collet & Collet Body			●	●
7/16 in. (11.1 mm) Alumina Nozzle			●	●
Long Back Cap			●	●
Gas Regulator with Hose			●	●
Foot Amptrol™ with 25 ft. (7.6 m) cable assembly	K870		●	●
Understorage Cart	K2348-1			●

● Included ● Optional

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Weight lb (kg)
Precision TIG 225 Base Models	K2533-2	460/575/1/60	130A/40% 110A/60%	40% Duty Cycle: 28/22 60% Duty Cycle: 23/19	5-230 Amps AC 5-230 Amps DC Max. OCV: 75V	20.7 x 14.5 x 25.6 (526 x 368 x 650)	192 (87)
	K2534-1	380/400-415/1/50/60		40% Duty Cycle: 33/32 60% Duty Cycle: 28/27			
Precision TIG 225 Ready-Pak Pkg.	K2535-1	208/230/1/60		40% Duty Cycle: 61/55 60% Duty Cycle: 52/47		20.7 x 14.5 x 25.6 (526 x 368 x 650)	212 (96)
Precision TIG 225 Ready-Pak w/Cart Pkg.	K2535-2					31.2 x 19.8 x 38 (794 x 503 x 966)	258 (117)

ADDITIONAL ACCESSORIES	Product Number	(K2533-2) 460/575/1/60	Ready-Pak (shipped fully assembled) (K2535-1) 208/230/1/60	Ready-Pak (shipped fully assembled) with cart (K2535-2) 208/230/1/60
STICK				
Stick Electrode Holder and Cable including Twist Mate connector and 12.5 ft. (3.8 m) cable	K2374-1	●	●	●
TIG				
PTA-9F 125 amp TIG torch w/ Flex Head and 1 pc. 12.5 ft. (3.8 m) Ultra-Flex cable	K1781-9	●	●	●
PTA-17 150 amp TIG torch w/ 1pc. 12.5 ft. (3.8 m) Ultra-Flex cable	K1782-12	●	●	●
PTW-20 250 amp water Cooled TIG torch w/ 3pc. 12.5 ft. (3.8 m) cable	K1784-3	●	●	●
PTW-20 250 amp water cooled TIG torch w/ 3 pc. 25 ft. (7.6 m) cable	K1784-4	●	●	●
PTA-17 150 amp TIG torch w/ 1 pc. 25 ft. (7.6 m) cable	K1782-3	●	●	●
PTA-9/PTW-20 Gas Lens Parts Kit: Contains a long back cap, 0.040 in., 1/16 in. 3/32 in. collets, 0.040 in., 1/16 in. 3/32 in. gas lens collet bodies, 0.040 in., 1/16 in., 3/32 in. 2% Ceriated tungsten, and three Alumina nozzles (5/16 in., 3/8 in., 7/16 in. orifices)	KP2414-1	●	●	●
Parts Kit For PTA-17 Series Torches: Contains a short back cap, 0.040 in., 1/16 in., and 3/32 in. collets, 0.040 in., 1/16 in., and 3/32 in. collet bodies, 0.040 in., 1/16 in., and 3/32 in. 2% Ceriated tungsten, and three Alumina nozzles (1/4 in., 5/16 in., 3/8 in. orifices)	KP508	●	●	●
Parts Kit for PTW-20 Series Torches: Contains a long back cap, 1/16 in., 3/32 in., 1/8 in. collets, 1/16 in., 3/32 in., 1/8 in. collet bodies, 1/16 in., 3/32 in., 1/8 in. 2% Ceriated tungsten, and three Alumina nozzles (5/16 in., 3/8 in., 7/16 in. orifices)	KP510	●	●	●
Twist Mate™ torch adapter for PTA-9,17 torches	K1622-1	●	●	●
Twist Mate™ torch adapter for PTW-20 torches	K1622-4	●	●	●
Hand Amptrol™ (Rotary Track Style) with 25 ft. (7.6 m) cable assembly	K963-3	●	●	●
Foot Amptrol™ with 25 ft. (7.6 m) cable assembly	K870	●		
Cool Arc 40 Water Cooler 115/1/50/60	K1813-1	●	●	●
Cool-Arc 40 for 230V	K2187-1	●	●	●
TIG-Mate 17 TIG Torch Starter Kit (air-cooled) Includes: Portable carrying case, PTA-17 150 Amp TIG torch w. Ultra-Flex cable, parts kit, Harris® flowmeter/regulator, 10 ft. (3.0 m) gas hose, Twist Mate™ adapter K1622-1, and work clamp and cable	K2266-1	●	●	●
TIG-Mate 20 TIG Torch Starter Kit (water-cooled) Includes: Portable carrying case, PTW-20 250 Amp water cooled TIG torch, parts kit, Harris flow-meter/regulator, 10 ft. (3.0 m) gas hose, Twist Mate™ adapter K1622-4, work clamp and cable, and 10 ft. (3.0 m) water hose	K2267-1	●	●	●
Cut Length Consumables	See C1.10	●	●	●
Arc Start Switch with 25 ft. (7.6 m) cable assembly	K814	●	●	●
Zippered 12.5 ft. (3.8 m) cable cover	K918-1	●	●	●
Zippered 25 ft. (7.6 m) cable cover	K918-2	●	●	●
Wireless Pedal	K4217-1	●	●	●
2-Year Extended Warranty - Precision TIG 225	X2533	●	●	●
Weld Fume Control System	See Fume Control Section	●	●	●

● Included ● Optional

CUSTOMER ASSISTANCE POLICY

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