



INVERTEC V160-T

TIG WELDING MACHINE

LINCOLN
ELECTRIC





High Performance in a Compact Design.

The Invertec V160-T is a small but rugged, high-performance DC TIG and Stick welder designed for alloy fabrication, process piping, or critical maintenance work. Weighing in at a portable 24 pounds, the machine automatically connects to 120V or 230V service and features simple torch connections that provide for quick changeover from TIG to Stick welding.





K1845-1 Shown

Quality welds for critical applications

Pulse control

Built in pulsing functions help minimize heat input on thin materials, and provide for a faster freezing weld puddle for uphill welding on curved surfaces such as process piping. The TIG pulser also helps moderate filler metal deposition for consistent bead appearance.

High-frequency TIG starting

Makes it easy to establish an arc under a variety of conditions. Enhances quality by minimizing the potential for weld contamination created by tungsten inclusions in the weld.

Ideally suited for external operations

The Invertec V160-T's light-weight and adjustable shoulder strap enable welding in the field.

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Duty Cycle	Input Current @ Rated Output ⁽¹⁾	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
Invertec V160-T	K1845-1	120V/1/50/60 20A Branch Circuit	90A/14.6V/100% TIG 60A/22.4V/100% Stick	20A	5-160 Amps DC Max OCV: 48V	13 x 8 x 17 (330 x 203 x 432)	24 (10.8)
		120V/1/50/60 30A Branch Circuit	110A/14.4V/100% TIG 80A/23.2V/100% Stick	25A			
		230V/1/50/60 30A Branch Circuit	130A/15.2V/100% TIG 130A/22.2V/100% Stick	20A			

⁽¹⁾ Input amps on 60Hz output.

ACCESSORIES	Product Number	Base Unit (K1845-1)
115V Input cord (10 ft) and Plug (NEMA 5-15P)	-	●
20 Amp Plug (NEMA 5-20P)	-	●
Twist-Mate™ Torch Adapter for PTA-9 or -17 One-piece Torch	-	●
Fully Adjustable Shoulder Strap	-	●
Work Clamp and Cable	-	●

● Included ● Optional

ADDITIONAL ACCESSORIES	Product Number	Base Unit (K1845-1)
GENERAL		
2-Year Extended Warranty - Invertec V160-T	X1845	●
Welding Cart (80 cu ft Bottle Capacity)	K2275-1	●
Utility Cart (150 cu ft Bottle Capacity)	K520	●
Canvas Cover	K2377-1	●
STICK		
200 Amp Stick Electrode Holder, Work Clamp, Cable & Twist Mate Set	K2394-1	●
TIG		
TIG-Mate™ 17 TIG Torch Starter Kit (Air-cooled)	K2266-1	●
TIG-Mate 20 TIG Torch Starter Kit (Water-cooled)	K2267-1	●
Harris® Gas Regulator/Flowmeter & 10 ft (3.0 m) Hose Kit	3100211	●
Foot Amptrol™ with 25 ft. (7.6 m) cable assembly	K870	●
Wireless Pedal	K3127-1	●
Hand Amptrol™ (Rotary Track Style) with 25 ft. (7.6 m) cable assembly	K963-3	●
Arc Start Switch with 25 ft. (7.6 m) cable assembly	K814	●
PTA-9F 125 amp TIG torch w/Flex Head and 1 pc. 12.5 ft. (3.8 m) Ultra-Flex™ cable	K1781-9	●
PTA-9/PTW-20 Gas Lens Parts Kit	KP2414-1	●
Parts Kit for PTA-17 Series TIG Torches	KP508	●
PTA-17 150 amp TIG torch w/ 1pc. 12.5 ft. (3.8 m) Ultra-Flex™ cable	K1782-12	●
Twist Mate™ Adapter for PTA-17 Series torches w/ 1pc. cable assembly	K1622-1	●
Cool Arc® 40 Water Cooler 115/1/50/60	K1813-1	●
Cut Length Consumables	See publication C1.10	●

● Included ● Optional

CUSTOMER ASSISTANCE POLICY

The business of 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.

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