

Invertec® V160-T

Processes

Stick, TIG, Pulsed TIG

Product Number

K1845-1

See back for complete specs

Input Power

115V/1/50/60
20A Branch Circuit

Input Current at Rated Output⁽¹⁾

20A

Rated Output

90A/13.6V/100% TIG (115V input)
130A/15.2V/100% TIG (230V input)

Output Range

5-160 Amps DC
Max OCV: 48V

Weight/Dimensions (H x W x D)

24 lbs. / 13 x 8 x 17 in
(10.8 kg) / (330 x 203 x 432 mm)

For TIG and Stick Welding

The Invertec® V160-T is a full function DC TIG inverter intended for alloy fabrication or critical maintenance work.

FEATURES

- ▶ **Advanced inverter technology** - Delivers superior TIG performance.
- ▶ **Selectable Touch Start TIG®** - TIG starting or high frequency starting makes it easy to establish an arc under a variety of conditions.
- ▶ **Built-in pulsing functions** - Give you greater control over thin materials.
- ▶ **Add TIG capability to your arsenal** - By using remote power from an engine driven generator.
- ▶ **Auto-reconnect** - Between 115/230V 50/60Hz input power eliminates operator error.
- ▶ **Integral gas and power connector** - For simple torch connections and quick changes between TIG and stick welding.
- ▶ **Lightweight** - Rugged package make it easy to take TIG welding capability where it's needed.
- ▶ **Thermal and voltage overload protection** - For long life of internal components.

APPLICATIONS

- ▶ Metal Fabrication
- ▶ Maintenance Work
- ▶ Autobody/Farm



Shown: K1845-1

WHAT'S INCLUDED

K1845-1 Includes:

- ▶ 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

INPUT



OUTPUT



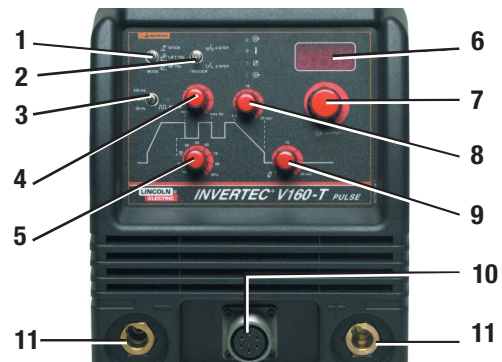
Two Year Extended
Warranty Available for
U.S.A. and Canada.



(1) Input amps on 60Hz output.

KEY CONTROLS

- Stick/Touch Start TIG®/HF Start TIG
- 2-Step/4-Step Trigger Interlock
- Dual Range Pulsing
- Adjustable Pulse Frequency
- Adjustable Pulse Back Ground Current
- Digital Meter (Preset/Actual)
- Output Control
- Adjustable Down Slope
- Adjustable Post Flow
- MS-Type remote connector
- Twist-Mate™ Torch/Gas & Work Connections



RECOMMENDED ACCESSORIES TO EXPAND MACHINE CAPABILITIES

GENERAL OPTIONS

Welding Cart

Full-featured cart is designed to store and transport a welder, 80 cubic foot gas cylinder, welding cables and accessories. Includes an angled top shelf for easy access to welder controls, a lower tray for added storage space, a sturdy handle and a convenient cable wrap hanger.

Order K2275-1



TIG-Mate™ 20 Water-Cooled TIG Torch Starter Kit

Get everything you need for TIG welding in one complete easy-to-order kit packaged in its own portable carrying case. Includes: PTW-20 torch, parts kit, Harris® flowmeter/regulator, 10 ft. (3 m) gas hose, Twist-Mate™ adapter, work clamp and cable and 10 ft. water hose.

Order K2267-1



Arc Start Switch

May be used in place of the Foot or Hand Ampctrl™. Comes with a 25 ft. (7.6 m) cable. Attaches to the TIG torch for convenient finger control to start and stop the weld cycle at the current set on the machine.

Order K814

STICK OPTIONS

Stick Electrode Holder, Work Clamp, Cable & Twist-Mate™ Set

Includes 200 amp stick holder, welding cable, work cable, work clamp and Twist-Mate™ set.

Order K2394-1



Pro-Torch™ TIG Torches

One piece Air-Cooled PTA-9 or -17 TIG torches may be connected directly with the included K1622-1 TIG Torch Adapter.

Order K1781-1 for PTA-9, 12.5 ft., 1-cable.

Order K1782-1 for PTA-17, 12.5 ft., 1-cable.

A full line of TIG torches in various lengths and types are available. Request Lincoln Publication E12.150 for more information.



Cool Arc® 40 Water Cooler

Energy efficient long life cooler for water-cooled welding applications.

Order K1813-1 for 115V. Order K2187-1 for 230V.



Cut Length Consumables

TIG welding filler metals are available for welding stainless steel, mild steel, aluminum and copper alloys.

Request Lincoln Publication C9.10 for more information.

TIG OPTIONS

TIG-Mate™ 17 Air-Cooled TIG Torch Starter Kit

Get everything you need for TIG welding in one complete easy-to-order kit packaged in its own portable carrying case. Includes: PTA-17 torch, parts kit, Harris® flowmeter/regulator, 10 ft. gas hose, Twist-Mate™ adapter, and work clamp and cable.

Order K2266-1



Foot Ampctrl™

Provides 25 ft. (7.6 m) of remote current control for TIG welding. (6 pin plug connection).

Order K870



Small Canvas Cover

Protect your machine 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 welding torch or gun.

Order K2377-1



Hand Ampctrl™

Provides 25 ft. (7.6 m) of remote current control for TIG welding. (6-pin plug connection). Velcro straps secure torch.

Order K963-3 (One size fits all Pro-Torch™ TIG Torches.)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/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	115V/1/50/60 20A Branch Circuit	90A/13.6V/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)
		115V/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/25.2V/100% Stick	25A			

(1) Input amps on 60Hz output.

CUSTOMER ASSISTANCE POLICY

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THE WELDING EXPERTS®