

Invertec® V160-S

For Stick and TIG Welding

The Invertec V160-S DC inverter stick welder exhibits excellent arc control, for popular electrodes such as Fleetweld® 35, Fleetweld® 37, Fleetweld® 180 and Excalibur™ 7018. Add an optional gas valve style TIG torch and you also have a very affordable DC Touch-Start™ TIG welding machine. Its auto-reconnect 115/230V 50/60Hz input combined with its rugged, portable package make it ideal for remote welding applications.



Processes

Stick TIG

Advantage Lincoln

- Suitable for a wide range of operations with an output range from 5 – 160 DC amps.
- Two modes of operation: Stick and DC Touch-Start™ TIG.
- Ideal for stick welding with popular Lincoln electrodes, including Fleetweld® 35, Fleetweld® 37, and Excalibur™ 7018.
- Features adjustable arc control to adjust the arc force and start characteristics.
- Advanced inverter technology for superior arc performance.
- Lightweight, rugged package for ultimate portability and durability.
- Auto-reconnect between 115/230V 50/60Hz input power eliminates operator error.
- Line voltage compensation enables use on remote power from an engine driven generator.
- Thermal and voltage overload protection for long life of internal components.
- 3 year warranty on parts and labor.

Description

Output   Input  

Base Unit Includes

- 115V Input cord (10 ft.) and plug (NEMA 5-15P)
- 20 Amp Plug (NEMA 5-20P)
- Fully adjustable shoulder strap
- Stick electrode holder and cable
- Work clamp and cable

Recommended General Options

Welding Cart

Recommended Stick Options

Remote Output Control

Recommended TIG Options

NEW! TIG-Mate™ 17V Air-Cooled TIG Torch Starter Pack, Pro-Torch TIG Torch, 1-piece TIG Torch Adapter, Foot Amptrol, Start Pedal Foot Amptrol, Hand Amptrol, Cut Length Consumables

Order

K1844-1 Invertec® V160-S 115/230/1/50/60

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output ⁽¹⁾	Output Range	Dimensions H x W x D inches (mm)	Net Weight lbs. (kg)
Invertec V160-S	K1844-1	115V/1/50/60 (20A Branch Circuit)	60A/22.4V/100% Stick 90A/13.6V/100% TIG	20A	5-160 Amps DC Max OCV: 48V	13 x 8 x 17 (330 x 203 x 432)	24 (11)
		115V/1/50/60 (30A Branch Circuit)	80A/23.2V/100% Stick 110A/14.4V/100% TIG	25A			
		230V/1/50/60 (30A Branch Circuit)	130A/25.2V/100% Stick 130A/15.2V/100% TIG	25A			

⁽¹⁾ Input amps on 60Hz input.

A CLOSER LOOK

- 1) Stick/Touch-Start TIG Modes
- 2) Arc Force/Hot Start
- 3) Output Control
- 4) MS-Type Remote Connector
- 5) Twist-Mate Connectors

Stick Welding

The Invertec® V160-S is great for stick welding with such popular electrodes as Fleetweld® 35, Fleetweld® 37, Fleetweld® 180 and Excalibur™ 7018. It features adjustable arc control to adjust the arc force and start.

TIG Welding

The Invertec® V160-S's Touch-Start™ TIG mode makes this machine a very affordable basic DC TIG machine when coupled with an optional gas valve style torch.

For a more advanced TIG model, check out the Invertec® V160-T or V205-T AC/DC.



The V160-S is a great choice for shop and maintenance repair, light fabrication and other sheet metal applications.

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



1-Piece TIG Torch Adapter

For connection of PTA-17V torches (1-piece cable) to power sources without gas passing through the Twist-Mate™ connection.

Order K960-1.

Request Lincoln Publication E12.150 for more TIG Torch information.

STICK OPTIONS



Remote Output Control

For remote adjustment of welding output voltage. Consists of control box with 25 or 100 ft. (7.6 or 30m) of four conductor cable and 6 pin MS-type connector.

Order K857 for 25 ft. (7.6m)

Order K857-1 for 100 ft. (30m)



Foot Amptrol™

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

Order K870



Start Pedal Foot Amptrol™

Patent-pending design features an independent start pedal on control pedal providing two-stage foot action to easily feel start switch closure at minimum output level for enhanced arc start and crater-fill control. Provided with adjustable, or removable, heel stop and 25 ft. (7.6m) plug cable.

Order K870-1

TIG OPTIONS



TIG-Mate™ 17V Air-Cooled TIG Torch Starter Pack

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

Order K2265-1



Hand Amptrol™

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

Order K963-1 for PTA-9, PTA-17, PTW-20 TIG Torches.



Pro-Torch TIG Torch

150 Amp air-cooled compact and durable TIG torch with integral gas valve for gas control at the torch.

The following 1-piece cable torches can be used with a K960-1 adapter:

Order K1782-6 (PTA-17V, 12.5 ft.) 1-Piece cable.

Order K1782-8 (PTA-17V, 25 ft.) 1-Piece cable.

The following 1-piece cable flex head gas valve torches can be used with a K960-1 adapter:

Order K1782-11 (PTA-17FV, 25 ft.) 1-Piece cable.

Order K1781-7 (PTA-9FV, 25 ft.) 1-Piece cable.



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.

INVERTEC® V160-S ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
Invertec V160-S	K1844-1		
Recommended General Options			
Welding Cart	K2275-1		
Recommended Stick Options			
Remote Output Control:			
25 ft. (7.6m)	K857		
100 ft. (30m)	K857-1		
Recommended TIG Options			
TIG-Mate™ 17V Air-Cooled TIG Torch Starter Pack	K2265-1		
Pro-Torch™ TIG Torch:			
PTA-17V, 12.5 ft. 1-Piece Cable	K1782-6		
PTA-17V, 25 ft. 1-Piece Cable	K1782-8		
PTA-17FV, 25 ft. 1-Piece Cable	K1782-11		
PTA-9FV, 25 ft. 1-Piece Cable	K1781-7		
1-Piece TIG Torch Adapter	K960-1		
Foot Amptrol	K870		
Start Pedal Foot Amptrol	K870-1		
Hand Amptrol	K963-1		
Cut Length Consumables	See Publication C9.10		
	TOTAL:		

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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

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