

## ADVANTAGE

- ▶ **Advanced inverter technology**  
for superior TIG performance
- ▶ **Generator compatible**  
ideal for site use.
- ▶ **HF and Lift TIG**  
ignition meeting all requirement
- ▶ **Full function user-friendly**  
control panel layout for easy setup of welding parameters
- ▶ **Recessed controls and connections**  
to produce a better weld bead appearance at the start.
- ▶ **Fan on demand**  
built-in reduces power and the intake of dust and fumes.
- ▶ **High speed Pulse**  
on the V160-T Pulse machine to adjust the arc focus, reduce distortion and increase travel speed.



## Designed and engineered for durability & reliability !

The Invertec® V160-T and V160-T PULSE TIG and Stick welders have been designed and manufactured using the latest digital inverter technology allowing these machines to combine a rugged industrial construction with excellent arc characteristics.

These machines are manufactured in a lightweight but robust outer casing making them portable and ideal for operation even in the most hazardous environments. The flexibility and generator compatibility of this range of equipment allows them to be utilised anywhere on sites and workshops.

The Invertec® V160-T and V160-T PULSE are supplied as standard with all the features you would expect from a professional TIG welding machine including HF TIG ignition, Lift TIG ignition, 2 or 4 step, variable down slope and post flow control.

The V160-T PULSE combines all the above features with the addition of a digital preset meter with a Hold Function and a built-in Variable Pulse. The control panel of this range of machines has been designed to show the welding sequence making it user friendly and easy to understand.

A unique feature of the V160-T PULSE is the variable high frequency PULSE that allows the welder to adjust arc focus to suit the application. This will reduce heat input resulting in a more controlled weld with less distortion and increased welding speed. The Invertec® V160-T and V160-T PULSE are made as solid industrial construction integrated with the features of a professional TIG welding machine capable of the toughest jobs.

# Invertec® V160-T – V160-TP

## TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class	Compliance
V160-T	K12017-1	230/1/50-60Hz	16A	10.5	320 x 200 x 430	IP23 / H	EN 50199 EN 60974-1 ROHS
V160-TP	K12018-1						
V160-T-2V	K12017-3	115/230/1/50-60Hz	32/16A				
V160-TP-2V	K12018-3						

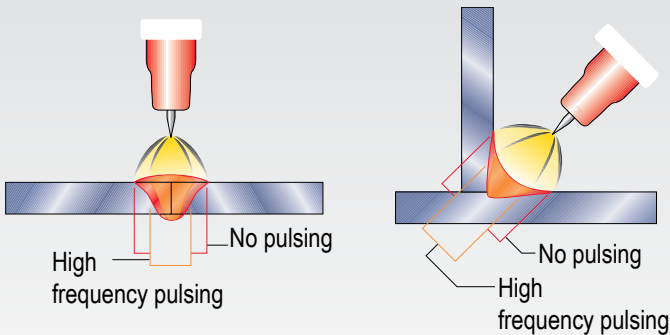
## WELDING OUTPUT

Current range (A)	Rated output TIG AC (40°C)	OCV
5-160	160A / 26.4 V@ 35% 130A / 25.2 V@ 100%	48Vdc

## ACCESSORIES

Item Number	Description
K10095-1-15M	Hand amptrol 15m
K870	Foot amptrol
KIT-200A-35-5M	Cable kit 5m
GRD-200-35-5M	Ground cable 5m
W0200002	Undercarriage
K10513-17-4	LT 17 Gas-cooled TIG torch 4m
K10513-17-8	LT 17 Gas-cooled TIG torch 8m

## HIGH FREQUENCY PULSE



Features	Parameters
Down Slope Time	0.5 - 20 sec
Post Flow Time	0.5 - 30 sec
PULSE Frequency (low)	0.2 - 20 Hz
PULSE Frequency high)	3 - 300 Hz
On time peak	10 - 90% (of welding current)
Backgr./Peak Current	10 - 90% (of welding current)

**Belgium:**  
Lincoln Smitweld Belgium  
Tel: +32 54 33 42 12  
e.mail: info@lincolnelectric.eu

**Denmark:**  
Lincoln Electric Nordic  
Tel: +45 86 26 51 00  
e.mail: jtimmer@lincolnelectric.eu

**Finland:**  
Lincoln Electric Nordic  
Tel: +35 8 10 52235 00  
e.mail: jtimmer@lincolnelectric.eu

**France:**  
Lincoln Electric France  
Tel: +33 2 32 11 40 40  
e.mail: info@lincolnelectric.eu

**Germany:**  
Lincoln Electric Deutschland  
Tel: +49 2102 713960  
e.mail: info@lincolnelectric.eu

**Italy:**  
Lincoln Electric Italia  
Tel: +39 010 754 111  
e.mail: info@lincolnelectric.eu

**The Netherlands:**  
Lincoln Smitweld  
Tel: +31 24 3522 911  
e.mail: info@lincolnelectric.eu

**Norway:**  
Sveiseeksperten AS  
Tel: +47 22 08 00 94  
e.mail: info@lincolnelectric.eu

**Poland:**  
Lincoln Electric Bester  
Tel: +48 74 64 61 100  
e.mail: info@lincolnelectric.eu

**Portugal:**  
Electro Arco  
Tel: +351 21 238 7300

**Russia:**  
Lincoln Electric Russia  
Tel: +7 (495) 6609404  
e.mail: russia@lincolnelectric.eu

**Spain:**  
Lincoln Electric Spain  
Tel: +34 93 685 96 00  
e.mail: info@lincolnelectric.eu

**Sweden:**  
Svetskompaniet AB  
Tel: +46 (0) 320 211710  
e.mail: info@lincolnelectric.eu

**UK/ Ireland:**  
Lincoln Electric UK  
Tel: +44 114 287 2401  
e.mail: info@lincolnelectric.eu