

# INVERTEC 161S

Sturdy and Versatile. Easy to use.

## The Invertec® 161S offer much more than you would expect from a welder this size!

They pack the full punch of a heavy weight professional that you can take to the most demanding job sites. Low energy consumption and high duty cycle: they are ideal for maintenance and for all professional, industrial or construction-site/ shipyard applications. Inverter-technology power source for the intensive welding of all types of electrodes including cellulosic ones. The microcontroller controls the welding process ensuring high performance and a stable arc. Digital front panel: easy setting of welding parameters. TIG LIFT + that allows the use of slope-up and slope-down functionality. Monitoring possibility via remote control.

### FEATURES

- **Exceptional performance:** high duty cycle at 40°C
- **Versatile** welding with any coated electrodes rutile 6012, basic 7018, included CELLULOSIC 6010
- **Compatible with motor generator**
- **VRD function** (enabled by default) to increase safety when working in humid environment with electroshock risk
- **Easy to use** Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking
- **Power Factor Correction** PFC gives low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process
- **TIG LIFT+** built-in function which allows the use of slope-up and slope-down functionality & TIG exit fuzzy method to extinguish the arc lifting the torch without to press the trigger button
- **Usable with long primary extension cable** (up to 70 m in 2.5 mm<sup>2</sup> section)



Product Number  
K14293-1

**Electrodes diameter from 1,6 to 4,0 mm.**

### APPLICATIONS

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site intervention
- Light industry
- Pipeline repair

#### Processes

Stick, Lift TIG

#### Output



LONG: 70 m  
SECTION:  
3 x 2.5 mm<sup>2</sup>



#### Input



**Cellulosic**



THE LINCOLN ELECTRIC GREEN INITIATIVE  
Inverter Technology  
reduces energy demand

[www.lincolnelectric.com/green](http://www.lincolnelectric.com/green)



Front view



Back view



- 1 VRD function indicator
- 2 Welding process selection
- 3 Remote control socket 6 pins
- 4 Rubber corners for increased robustness
- 5 Ergonomic handles (easy lifting and rolling of the cables)
- 6 Digital display of parameters
- 7 Current Control
- 8 Output socket

**ACCESSORIES**

Product Number	Product Name
W10529-17-4V	TIG welding torch WTT2 17V – 135A – 4m, valve, conn. 13 mm
W000260684	KIT 25C50
W000011139	KIT 35C50
K10095-1-15M	Remote control, 15 mt



W10529-17-4V



K10095-1-15M



W000260684 (KIT 25C50)  
W000011139 (KIT 35C50)

**UNIT INCLUDES**

- Input cable (2m)
- Remote control adapter

Product	Reference	Primary Voltage (50-60 Hz)	Rated Output (A)	Output Range (A)	Open circuit Voltage (Vdc)	Fuse Size (A) (slow)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
INVERTEC 161S	K14293-1	230V/1Ph +/- 20%	160A@50% 130A@100%	5-160	75 (14V VRD)	16	9	320 x 170 x 395	IP23 / H