



## ADVANTAGE

- ✓ **Excellent arc characteristics**  
for Rutile, Basic and Cellulosic electrodes up to 4.0mm.
- ✓ **Intelligent 'Auto Adaptive Arc Force'**  
Soft and Crisp, to select the right arc dynamics for the electrode type
- ✓ **Two stick modes,**  
Soft and Crisp, to select the right arc dynamics for the electrode type
- ✓ **Built in 'Hot Start'**  
for excellent arc striking
- ✓ **Lift TIG DC operation,**  
with excellent striking without tungsten contamination
- ✓ **Fan on demand (F.A.N.™)**  
built-in reduces power and the intake of dust and fumes
- ✓ **230V/1ph (16A)**  
input power, long (60m) extension cable and power generator capability to connect anywhere
- ✓ **Portable Package**  
'Ready to weld case' including electrode cable, ground cable, hand shield, chipping hammer and wire brush
- ✓ **2 Years Full Parts and Labour Warranty**

## PORTABLE POWER INTELLIGENT ARC

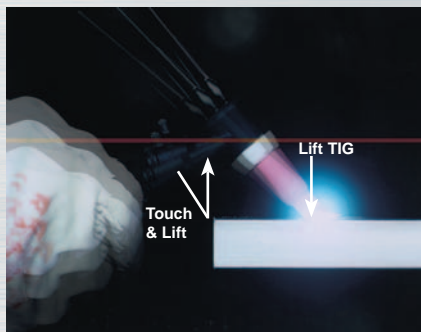
Welding arc behaviour has never reached such high levels of smoothness and consistency. The Invertec® V145-S offers much more than you would expect from a welder of its size.

Through Lincoln's unique 'Auto-adaptive Arc Force' feature the V145-S instantly adjusts the weld current to maximise arc stability, avoid sticking and minimise spatter.

Another unique feature of this machine is the ability to select either a Soft or Crisp arc welding mode. The Soft mode is dedicated to Rutile and Stainless electrodes producing a clean flat fillet weld with excellent wetting and bead appearance.

The Crisp mode is ideally suited for all positional work with Basic or Cellulosic electrodes where you need more dynamic arc characteristics.

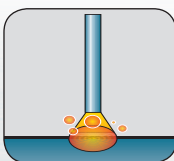
The V145-S can also be used for TIG welding with the built-in Lift TIG mode. This allows you to strike the arc without Tungsten contamination.



Built-in input voltage tolerance makes the V145-S compatible with either a long mains cable (up to 60 meters) and/or generators.

Lightweight and portable, the V145-S is made of a rugged and robust Polyester casing developed to handle the most arduous environments. It is designed with a large ergonomic handle, and an adjustable, removable carrying strap.

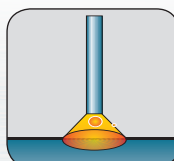
### SOFT MODE



In Soft Mode, Auto Adaptive Arc Force peak level is lower, optimising arc smoothness and spatter.

Rutile and Stainless electrodes

### CRISP MODE



In Crisp Mode, the dynamic of the arc is higher and faster for a more digging arc.

Basic and Cellulosic electrodes

**LINCOLN**®  
**ELECTRIC**

## TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection Class	Insulation Class	Compliance
V145-S	K12009-1	230V/1/50-60Hz	16A (slow)	6	288 x 158 x 392	IP23	H	EN 60974-1 / EN 50199 CE ROHS
V145-S Package	K12009-1-P			11.7	600 x 180 x 580			

## WELDING OUTPUT

Product	Current Range	Input power	Rated Output (40°C)
V145-S	5 - 145A	4.4kW @ 35% 3.0kW @ 100%	145A / 25.8V @ 35% 105A / 24.2V @ 100%

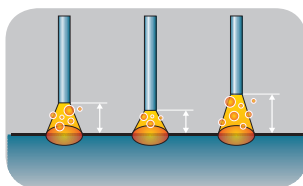
## ACCESSORIES

Item Number	Description
KIT140A-16-3M	Cable kit 140A, 16mm <sup>2</sup> , 3m
K10513-17-4V	TIG torch LT17 GV, 4m
K10513-17-4V	TIG torch LT17 GV, 8m
W7915000A	Suitcase with accessories only



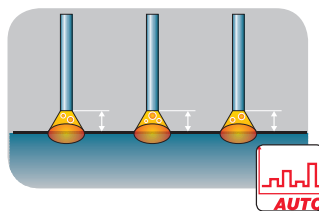
## AUTO-ADAPTIVE ARC FORCE

### Standard Arc Force



With Standard Arc Force, the peak in welding current which prevents the electrode from sticking in the weld pool is pre-set. The fixed peak may react aggressively, causing spatter and an unstable Arc.

### Auto-adaptative Arc Force



Auto Adaptive Arc Force measures the arc voltage continually to adapt the optimum value of Arc Force. This optimises the Arc stability without the risk of electrode sticking and minimises spatter

United Kingdom : Lincoln Electric (UK) Ltd.  
Tel: +44 114 287 2401 Fax: +44 114 287 2582

Belgium: Lincoln Smitweld Belgium  
Tel: +32 54.33.42.12 Fax: +32 54.33.61.24

France: Lincoln Electric France SAS  
Tel: +33 232 11 40 40 Fax: +33 232 11 40 11

Germany: Lincoln Electric Deutschland  
Tel: +49 2102/7 13 96-0 Fax: +49 2102/ 7 13 96-31

Italy: Lincoln Electric Italia, SRL  
Tel: +39 010 754 111 Fax: +39 010 754 1150

The Netherlands: Lincoln Smitweld B.V.  
Tel: +31 24 352 29 11 Fax: +31 24 352 22 02

Denmark: Lincoln Electric Nordic  
Tel: +45 86 26 51 00 Fax: +45 86 26 51 00

Spain: Lincoln KD, Sa  
Tel: +34 93 685 9600 Fax: +34 93 685 9610

Poland: Lincoln Electric Bester S.A.  
Tel: +48 746 46 1100 Fax: +48 746 46 1082

Other countries: Lincoln Electric Europe B.V.  
Tel: +31 24 352 29 27 Fax: +31 24 352 29 29

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Your Lincoln Electric Distributor:

www.lincolnelectric.eu

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