

V400-T



The Invertec V400-T is a constant current DC arc welding power source for TIG and Stick welding. Based on the latest inverter technology, the Invertec V400-T incorporates many sophisticated features that facilitate the production of high quality TIG welds in most materials.

Operating from a 400V 3 phase supply the output is protected against input voltage fluctuations within a range of $\pm 10\%$. Stepless output current control from 1-400A is by means of a potentiometer with the set current being shown on a digital display. Similarly the operation of the gas solenoid, torch switch and thermostat is shown by a series of indicator lamps.

Arc ignition is by means of high frequency and is controlled from the torch switch. For the torch switch operation a two or four step mode may be selected together with a stick welding option in which the output terminals will be energized.

Shielding gas flow prior to arc ignition is pre-set at 0.5 sec. for purging and the post flow is adjustable from 0-60 secs.

Likewise, slope up and crater fill periods are adjustable from 0-10 secs. or 0-20 secs. respectively. A timer is provided for the purposes of TIG spot welding.

In order to add further precision and control to TIG welding a flexible pulse mode is also incorporated within the control system. By manipulation of the pulse parameters increased control of total heat input can be achieved and consequently of the weld pool and penetration.

The Invertec V400-T is either supplied ready to weld with all the accessories or with mains input cable only.

Hand or foot operated remote controls are optional.

ADVANTAGE LINCOLN

- Preset digital output current display for ease of setting and precision in procedured welding.
- 2 touch/4 touch arc start switch operation. Aids torch manipulation and reduces operator fatigue.
- Output compensated for mains fluctuations.
- CE certified for safety and EMC requirements.
- Fixed preflow gas automatically purges lines before striking.
- HF ignition eliminates tungsten contamination.
- Variable slope in current control for precision starts.
- Slope out current control for crater fill.
- Post gas flow control for contamination free cooling.
- Pulsed welding facilities for precise heat input and penetration control.
- Optional foot or hand operated remote current controls.

A CLOSER LOOK



TECHNICAL SPECIFICATIONS

Output				Miscellaneous			
Output Current Range	A	1-400		Power factor			0.9
Open Circuit Voltage	V	80		Protection	IEC 529	IP23	
Duty cycle (10 min. per.)	%	100	60	Insulation	IEC 974-1	H	
	A	250	320	Slope up	secs	0-10	
Input			Crater fill	secs			0-20
	3-ph. 50/60 Hz	V	400		Pulse	Hz	3-300
	A	27		Weight	kg	28	
				Dimensions	W x H x L	235 x 330 x 555	

THE TOTAL SOLUTION

As a ready-to-weld package, the V400-TIG is shipped complete with 3m earth lead and clamp, 3m welding lead with electrode holder, primary cable, TIG torch, TIG accessory kit, gas hose, regulator and flow meter.

The V400-TIG may also be supplied with input cable only.

RECOMMENDED OPTIONS

RC 2000 hand operated remote current control. **Code No. 95VRCH2**

RF 2000 foot operated remote current control. **Code No. 95VRCF2**

RCC 210 connection cable 10 m. **Code No. 95VRC10**

RCC 225 connection cable 25 m. **Code 95VRC25**

RCE 225 extension cable 25 m. **Code No. 95VRCE25**

ORDERING INFORMATION

V400-TIG Package
Code No. 95V400T4P

V400-TIG
Code No. 95V400T4

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NOTE: We are constantly improving our products. Lincoln Electric UK therefore reserves the right to make changes in specifications without notice.