

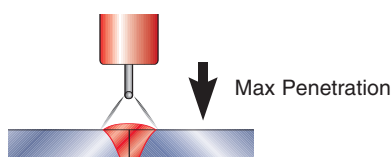
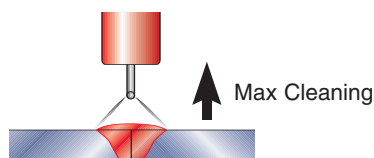
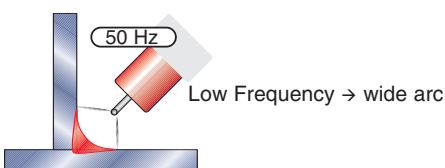
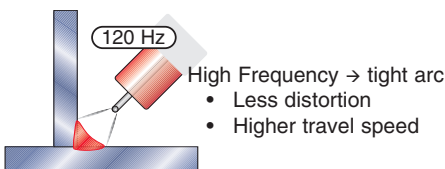
# INVERTEC V205-T AC/DC



The Invertec V205-T AC/DC TIG welding machine has been designed and manufactured using the latest inverter digital technology enabling the machine to combine an excellent 200A @ 40% duty cycle with the portability provided by a single-phase 240/115V single-phase machine. The V205-T AC/DC controller provides all the features you would expect from a professional AC/DC TIG inverter welding machine combined with a user-friendly layout. A variable frequency control with this machine allows the welder to adjust the arc focus to suit the application.

## CLEANING AND PENETRATION

A standard feature on the V205-T AC/DC is the adjustable cleaning and penetration used to gain the ideal balance between cleaning the aluminium surface of oxide and the penetration of the weld. The machine operates using a square wave AC form as standard but can be set produce either a sinusoidal or triangle wave form dependent on the welder's needs.



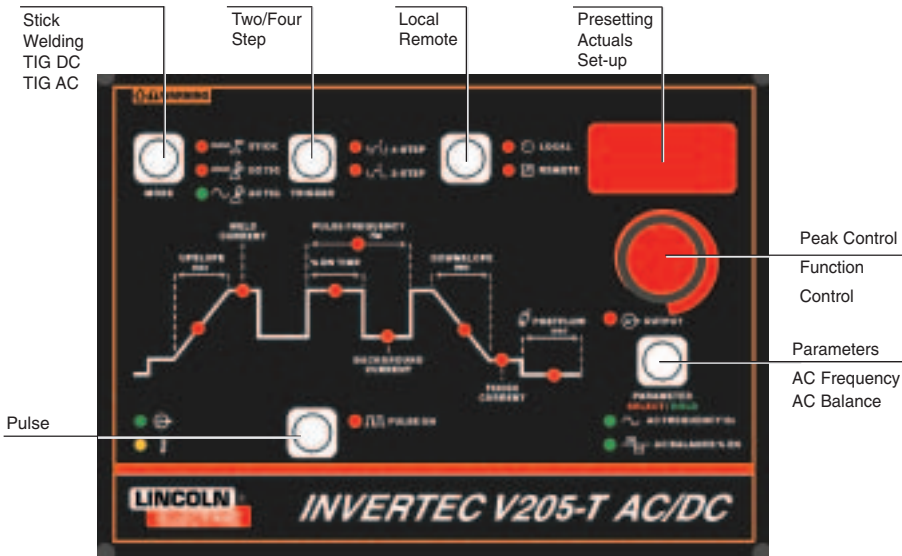
The machine is supplied air-cooled as standard, however it can be easily converted to water-cooled with the addition of the Cool Arc 20 water-cooler. The addition of the Cool Arc 20 allows the machine to operate at high current with lightweight water-cooled torches. The Invertec V205-T AC/ DC is a well featured user-friendly machine built to last.

## ADVANTAGE LINCOLN

- Single Phase Auto Sensing for either 240V or 115V primary input
- Digital inverter technology allowing 100% reproducible results
- High duty cycle, 200A @40% at 40°C
- Power Factor Correction to ensure high output for aluminium welding
- Adjustable cleaning and penetration for perfect aluminium welding.
- Three wave shapes for AC TIG welding - Square, Triangle and Sinusoidal
- Variable AC frequency for control of travel speed and penetration
- Full featured and user-friendly control panel layout
- Digital display allows precise setting of welding parameters
- Menu driven for easy operator setup
- Weighing only 17.6 kg, the V205-T is both lightweight and portable
- Available as either air-cooled or water-cooled
- Two year warranty

# INVERTEC V205-T AC/DC

## A CLOSER LOOK



## FEATURES

Feature	Parameter
AC Frequency	20 - 150 Hz
AC Balance	35 - 85% EN
Pulse Frequency	0.25 - 500 Hz
On time peak	5 - 95%
Background current	6 - 200 A
Up Slope Time	0 - 10 sec
Down Slope Time	0.2 - 10 sec
Post Flow Time	0.2 - 60 sec
Wave Shape	- Square - Triangle - Sinusoidal

## TECHNICAL SPECIFICATIONS

Product Name	Item Number	Input Voltage	Rated Input	Weight	Dimensions H x W x D (mm)	Recommended Generator
Invertec V205-T AC/DC	K1855-3	115 / 240V 1Ph	16 A (slow)	17.6 kg	380 x 210 x 480	> 8kVA

Product Name	Item Number	Input Voltage	Freq.	H. Max	Dimensions H x W x D	Water Out	Weight incl. Coolant
Coolarc 20	K1904-1	240V 1 Ph	50 Hz	50 M	180 x 210 x 480	2.5 L/Min.	9.4 kg

## WELDING OUTPUT

Current Range	Rated Output TIG AC (40°C)	Rated Output MMA DC (40°C)	O.C.V
6 - 200A	200A / 40% / 240V	180A / 35% / 240V	53.7V
	150A / 35% / 115V	110A / 35% / 115V	
	140A / 100% / 240V	130A / 100% / 240V	
	100A / 100% / 115V	70A / 100% / 115V	

## ACCESSORIES

Part Number	Description
K870	Foot amptrol
K857	Remote output control
KA1386-05	Work return lead 5m
K32009	Reditig SR26 FX Flexi head 8m
K32011	Reditig SR18 water cooled 8m

### 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 responsibility, 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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