

INVERTEC® 160 SX

STICK WELDING MACHINE

LINCOLN® ELECTRIC



One Powerful Machine

Take it everywhere, plug it in anywhere

- Lightweight and portable–just 9kg.!
- Primary power extension cables can be utilised by up to 100m, also suitable for motor generator use.

More Power, more durable

- 30% more output current with the same input current allows welding up to 4.0mm electrode with 10A input
- Robust design, industrial use - electrical safety (IP23), potted PC boards and optimum airflow reduce contamination to extend the equipments life in the harshest environmental conditions
- Mine Spec also available with factory fitted braided input lead and IP66 240V 10amp plug

Built-in VRD

- <300mSec switching time fail to safe

Excellent Welding Experience

- Good arc ignition with a smooth stable arc, Soft and Crisp mode, Auto Adaptive Arc Force an optimum choice for welding with every electrode

PRODUCT SPECIFICATIONS

Product Name	Product Number	Primary Voltage	Fuse Size	Weight (kg)	Dimenstions H x W x D (mm)	Protection Insulation Class	Compliance
INVERTEC® 160 SX **INVERTEC® 160 SX (MINE SPEC)**	K12050-2 K12050-2M	240V/50-60Hz +/-15%	10A	9	224 x 148 x 385	IP23 / H	AS60974.1 AS60974.10 EN60974-1 EN61000-3-12 CE - ROHS

Process	Input Voltage	Current Range	O.C.V	Rated Output (40°C)	Input Current Imax/Ieff	Input Power (Pmax)	
STICK	240V AC	5-160A	80V*	160A/26.4V@25% 90A/23.5V@100%	20A/10A	5.17kVA 3.07kVA	
TIG	240V AC	5-160A	12V*	160A/16.4V@25% 90A/13.6V@100%	-	-	

**VRD reduces OCV to <8Volts*

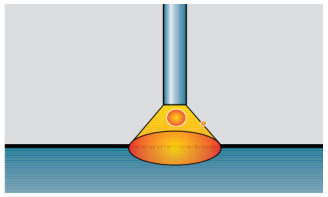
ACCESSORIES	Product Number
Welding Lead Kit 3M	KIT-200A-25-3M
Welding Lead Kit 5M	KIT-200A-35-5M
POWERCRAFT® PC17G 4M TIG Torch	PC17FV-41
POWERCRAFT® PC17G 8M TIG Torch	PC17FV-81

GENERATOR REQUIREMENTS

OUTPUT	OUTPUT RANGE	PEAK MAX	FREQUENCY
> 7kVA	180-260 Volts	367 Volts	50-60Hz

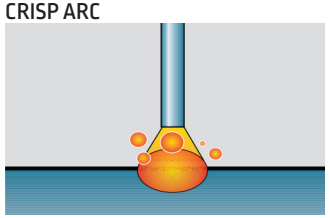
STICK WELDING

SOFT ARC



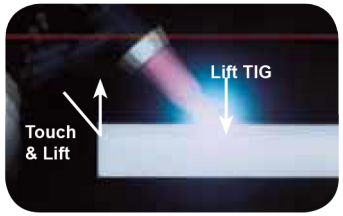
Provides a lower arc force level to deliver a smooth arc with reduced spatter. It provides a clean flat fillet weld with excellent wetting and bead appearance. For stainless electrodes,rutile and low hydrogen electrodes.

CRISP ARC

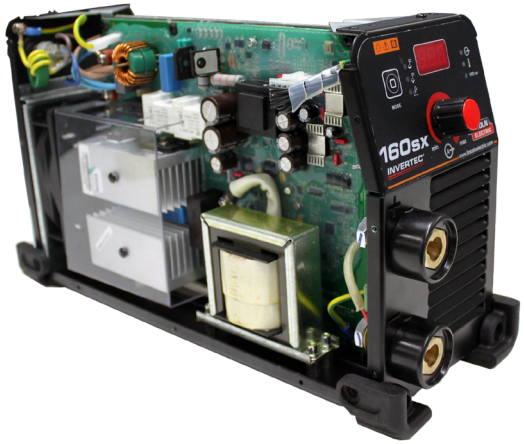


Provides a more dynamic arc characteristic for welding in all positions. Ideal for cellulosic electrodes

TIG WELDING

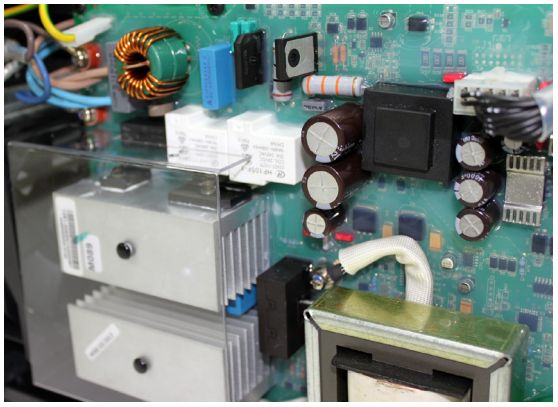


The machine has a low open circuit voltage in TIG mode to reduce tungsten contamination. Simply touch the tungsten to the work piece and lift off. The machine will instantly ramp up the voltage and current to establish the arc without the use of high frequency.



Industrial Innovation

- Printed circuit borads are potted for added protection for use in harsh environments. The boards are vertically mounted to maximise cooling efficiencies and minimise collection of containments.
- Combining the protection of steel with the safety of plastic.
- Internal components have a plastic barrier between them and the metal casing providing maximum protection







Control Panel

1. Amps Display shows set current at idle and real measured current while welding

2. Status LEDs control equipment electronics functioning and error status

3. Mode Push button and LEDs allow the best process setting: Soft Stick, Crisp Stick or Lift TIG

4. Current setting dial

5. Large dinse connections for professional welding

6. Rubber feet and metal case. No compromise, robust construction

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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

Publication AU0071 | Issue Date 02/15
© Lincoln Global, Inc. All Rights Reserved.
www.lincolnelectric.com.au

The Lincoln Electric Company
35 Bryant Street
Padstow, NSW 2211 AUSTRALIA