



INFINITELY VARIABLE DIALS OFFER A SMOOTHER STEPLESS OUTPUT ADJUSTMENT



POST GAS SETTING TO PREVENT OXIDATION FOR A CLEAN & HIGHER QUALITY WELD



SUPPLIED WITH 3MTR TIG TORCH & CONSUMABLES, ELECTRODE HOLDER, EARTH LEAD & GAS HOSE WITH CLAMPS



COMPACT & LIGHTWEIGHT DESIGN FOR EASY WORK AREA MOVEMENT

ITEM. 05694

SIP WELDMATE® PRO 160A DC TIG/ARC INVERTER WELDER

LATEST GENERATION TIG/ARC INVERTER WELDER FOR PROFESSIONAL APPLICATIONS

PRODUCT OVERVIEW

The SIP WELDMATE® PRO 160A DC TIG/ARC Inverter Welder is a dual process inverter welder specifically designed for use in professional fabrication workshops, sheet metal applications and home workshops.

Powerful, compact and lightweight, this inverter welder also features high frequency start-up for easy arc striking, which helps to achieve cleaner and higher quality welds by avoiding electrode contact with the workpiece when initiating the arc.

Fully compliant with Reg EU 2019/1784 (Eco Design for Welding Equipment), this welder features a 4th generation inverter which is above 80% energy efficient. This means it uses less power at the same output as older inverters, helping to lower operating costs.

FEATURES & BENEFITS

✓ DUAL PROCESS TIG/ARC INVERTER WELDER FOR GREATER APPLICATION FLEXIBILITY AT HIGH DUTY CYCLES

Duty cycle 20°C: 160A @ 30% (TIG DC) / 140A @ 30% (MMA).

✓ HIGH FREQUENCY START-UP FOR EASY ARC STRIKING, ENSURING CLEANER & HIGHER QUALITY WELDS BY ELIMINATING CONTACT BETWEEN THE TUNGSTEN ELECTRODE & WORKPIECE WHEN INITIATING THE ARC

Offers a superior arc striking method compared to 'lift' or 'scratch' arc initiation techniques.

Provides a consistent and reliable arc initiation, regardless of skill level or welding conditions, which contributes to improved weld quality and efficiency.

Also eliminates the risk of tungsten contamination which can degrade weld quality.

Ideal for welding thinner materials where precise welding control is crucial.

✓ POST GAS FUNCTION PREVENTS OXIDATION, PROVIDING ADDITIONAL PROTECTION TO ENSURE A CLEAN & HIGH-QUALITY WELD

A flow of shielding 'post gas' can be set to continue after the welding arc has been extinguished to create a protective blanket around the weld pool and still-hot Tungsten electrode.

This protects the molten metal from interacting with atmospheric gases, which can leave the weld contaminated and brittle. It also protects the tungsten electrode to maximise its longevity.

THIS PRODUCT COMES WITH AN SIP 2-YEAR SILVER WARRANTY*

FIND OUT MORE AT SIP-GROUP.COM/WARRANTY



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SIP WELDMATE® PRO DC 160A ARC/TIG INVERTER WELDER

FEATURES & BENEFITS CONT.

- ✓ **INFINITELY VARIABLE DIALS OFFER A SMOOTHER STEPLESS OUTPUT ADJUSTMENT FOR HIGHER QUALITY & EASY TO CONTROL WELDING**
An intuitive control panel with LED display makes it easy to set the welding output and setting the welding functions.
- ✓ **METAL CASING WITH HEAVY-DUTY CARRY HANDLE & HIGH-QUALITY FINISH RESISTANT TO WORK AREA DAMAGE**
The compact and lightweight design ensures easy work area movement.

WHAT'S IN THE BOX?

- 1x SIP WELDMATE® PRO DC 160A TIG/ARC Inverter Welder (230v/16A)
- 1x 3mtr TIG torch with consumables (2x tungsten electrodes, collets, collet bodies, ceramic nozzles and back caps), 1x 3mtr electrode lead, 1x 3mtr earth lead, 1x welding hammer/brush

APPLICATIONS & USES

**IDEAL FOR USE IN PROFESSIONAL
FABRICATION WORKSHOPS**

**PERFECT FOR SHEET METAL
APPLICATIONS**

**IDEAL FOR MILD STEELS, STAINLESS
STEEL, COPPER & BRASS**

ITEM NO.	05694	
INPUT SUPPLY	230v (16A)	
WELDING PROCESS	TIG	MMA
OUTPUT CURRENT	10A - 160A	10A - 140A
OUTPUT VOLTAGE	10.4v - 14.8v: 70v DC Open Circuit Volts	20.4v - 24v: 70v Open Circuit Volts
DUTY CYCLE @ 20°C	160A @ 30%	160A @ 30%
WELDING THICKNESS	0.5mm - 6mm (mild steel)	1.5mm - 7mm (mild steel)
PROTECTION / INSULATION	F	
NET WEIGHT	7.2kg	
GROSS WEIGHT	8.9kg	
PRODUCT DIMENSIONS	310(H) x 150(W) x 370mm(D)	
PACKAGED DIMENSIONS	270(H) x 295(W) x 440mm(D)	