

Product Detail:

Code: S00161

Model: TIG 2005 AC/DC HF

Single-phase AC/DC INVERTER portable power source for TIG welding with high frequency and MMA-SMAW welding. With arc pulsed mode.

It is suitable for welding of iron, steel, stainless steel, copper and titanium. It is particularly indicated for assembling of external plants, on-site maintenance operations and hard to reach spaces, applications in small-sized production plants and repair works.

MAIN FEATURES

- Stable arc.
- Easy to use.
- Microprocessor control of welding functions.
- In TIG mode, the arc may be started either in high frequency (HF Start) or by contact.
- 2-stage, 4 stage functions.
- Equipped with pulsed arc mode with the possibility to adjust its duty cycle.
- In AC, frequency can be adjusted.
- In AC, penetration and cleansing of welding bead are adjustable.
- Possibility to set the time of Pre Gas, Post Gas, Slope Up and Slope Down.
- Possibility to adjust the start current and the crater filler current.
- In MMA-SMAW mode, it allows welding with rutile and basic coated electrodes.
- Arc Force and Hot Start adjustment in MMA.
 - In MMA, equipped with anti-sticking.
- Ready for foot control unit.
- Possibility to be connected to motor-driven generators with an adequate power.
 - Equipped with PFC (Power Factor Correction) device to reduce and stabilize the absorbed power.
- IP23 protection to allow open-air works.
- Small dimensions and light weight.



Technical Data:

Code	S00161			
Item	TIG 2005 AC/DC HF			
Mode	TIG	MMA	TIG	MMA
Input Voltage	1x110/115/127V 50-60Hz		1x220/230/240V 50-60Hz	
Installation power	5 kW			
MIN-MAX Welding current	5 ÷ 140 A	5 ÷ 100 A	5 ÷ 200 A	5 ÷ 170 A
Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1	40% 140A - 60% 110A - 100% 85A -	35% 100A - 60% 75A - 100% 60A -	30% 200A - 60% 140A - 100% 110A -	30% 170A - 60% 120A - 100% 90A -
Electrodes	-	Ø mm 1,6 ÷ 4	-	Ø mm 1,6 ÷ 4
Stepless regulation	ELECTRONIC			
Protection class	IP 23			
Insulation class	F			
Construction standards	EN60974-1 / EN60974-10			
Dimensions	170x450x270h mm			
Weight	11,2 kg			

Accessories:

535802 (optional) 4 m, ABITIG 26 torch



530137 (optional) Earth cable for welding

S01715A.1
1 (optional) Accessories kit with 3+2 m cables of 25 mm², Texas 50530219 (optional) Cable of 25 mm², D. 50 mm connection, with electrode holder

570011 (optional) TIG foot control



357502 (optional) Flowmeter with 2 gas pressure gauges



309269 (optional) Helmet with auto-dimming LCD filter (9-13 DIN) MAXIVISION COLOR to protect face and eyes during welding.