

## Product Detail:

**Code:** S00166**Model:** TIG 1615 AC/DC HF

Single phase AC/DC INVERTER power source for TIG welding with high frequency and MMA-SMAW welding. Equipped with pulsed arc mode. Suitable for welding of aluminium, brass and magnesium in TIG AC mode as well as iron, steel, stainless steel, copper in TIG DC mode.

Equipped with graphic auto-adaptative interface display.

### STANDARD FEATURES AND SPECIAL FUNCTIONS

- In TIG AC, penetration and cleansing of welding bath are adjustable.
- In AC mode, frequency can be adjusted.
- E-PULSE function to reduce thermal alteration and simplify welding of thin coil.
- 2-stage, 4-stage and 4 stage bilevel functions.
- Possibility to set the time of PREGAS, POSTGAS, SLOPE UP and SLOPE DOWN.
- Possibility of storing up to 10 welding programs in memory which may be easily re-called.
- In MMA-SMAW mode, it allows welding with rutile and basic coated electrodes.
- Possibility to be connected to motor-driven generators equipped with an electronic regulator of the tension (not greater than 260V RMS) and a power equal to or greater than 4,5 kVA (SINGLE-PHASE).
- Microprocessor control of welding functions.
- IP23 protection to allow open-air works.
- It is equipped with PFC (Power Factor Correction) device to reduce and stabilize the absorbed power.
- Possibility to activate a security password.
- Small dimensions and light weight.
- Optional trolley for transport.

### OPTIONAL SPECIAL FUNCTIONS

- E-START
- E-ARC
- E-SPOT
- E-MULTIPOINT
- E-TWOPULSE
- E-MIX
- E-FUSION



**Technical Data:**

Code	S00166		
Item	TIG 1615 AC/DC HF		
Mode	TIG	MMA	
Input Voltage	1x230V 50-60Hz		
Installation power	3 kW		
MIN-MAX Welding current	5 ÷ 160 A	10 ÷ 140 A	
Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1	45% 160A - 60% 140A - 100% 110A	40% 140A - 60% 125A - 100% 110A	
Electrodes		∅ mm 1,6 ÷ 3,2	
Stepless regulation	ELECTRONIC		
Protection class	IP 23		
Construction standards	EN60974-1 / EN60974-10		
Dimensions	220x440x460h mm		
Weight	18 kg		

**Accessories:**


535802 (optional) 4 m, ABITIG 26 torch



535805 (optional) 4 m, ABITIG 26 UP-DOWN torch



530137 (optional) Earth cable for welding


 S01705A.1 (optional) Accessories kit for electrode welding with 3+2 m cables of 25 mm<sup>2</sup>, Texas 50



580002 (optional) Transport cart



540102 (optional) INOX FAST CLEAN KIT



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



357502 (optional) Flowmeter with 2 gas pressure gauges



570008 (optional) TIG foot control



363307 (optional) Foot control and TIG torch connector



570006 (optional) Remote control



530330 (optional) 5 m long cable for remote control