

Product Detail:

Code: S00154

Model: TIG 1681 DC HF

Single phase INVERTER portable power source for TIG welding with high frequency and MMA-SMAW welding. Suitable for welding of iron, steel, stainless steel, copper and titanium.

It is suitable 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.
- 2-stage, 4 stage functions.
- Slope-down and post-gas adjustment.
- Presetting for remote control.
- In TIG mode, the arc may be started either in high frequency (HF Start) or by contact (Contact Start).
- In MMA-SMAW mode, it allows welding with rutile and basic coated electrodes.
- Forced air cooling through cooling tunnel.
- Possibility to be connected to household mains or to motor-driven generators with an electronic regulator of the tension (not greater than 260V RMS) and an adequate power.
- Equipped with strong shoulder strap.
- Possibility of using 50 m long power cables with no significant power losses.
- IP23 protection to allow open-air works.
- Manufactured in compliance with the IEC/EN 61000-3-12 standard by means of the PFC devices.
- Small dimensions and light weight.



Technical Data:

Code	S00154		
Item	TIG 1681 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	40% 160A - 60% 135A - 100% 110A	30% 140A - 60% 115A - 100% 95A	
Electrodes		∅ mm 1,6 ÷ 3,2	
Stepless regulation	ELECTRONIC		
Protection class	IP 23		
Insulation class	H		
Construction standards	EN60974-1 EN60974-10		
Dimensions	135x425x280h mm		
Weight	9,5 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
1 *(optional)* Accessories kit for electrode welding with 3+2 m cables of 25 mm², Texas 50



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
