

TIG 2081 DC HF



Single phase INVERTER portable power source for **TIG welding with high frequency** and **MMA-SMAW welding**.

Equipped with **pulsed arc mode**. 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 as well as repair and maintenance works.

MAIN FEATURES

- Great arc stability.
- **Pulsed arc** function to reduce thermal alteration and simplify welding of thin coil.
- **2-stage, 4-stage and 4 stage dual level** functions.
- Possibility of welding with two preset welding current levels (**dual level**).
- Possibility of storing **up to 9 welding programs in memory** which may be easily re-called.
- **Slope-down** and **post-gas** adjustment.
- Presetting for **remote control**.
- In TIG mode, the arc may be started ether 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.
- **Microprocessor** control of welding functions.
- Possibility to be connected to **generators** with an electronic regulator of the tension (not greater than 260V RMS) and a power equal to or greater than 5 kVA.
- **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.

HIGH FREQUENCY INVERTER POWER SOURCE FOR TIG AND MMA WELDING

TECHNICAL DATA

	Code	S00159	
	Model	TIG 2081 DC HF	
	Input voltage	1x230V 50-60Hz	
	Installation power	4 kW	
		TIG	MMA
	Welding current	5 ÷ 200 A	10 ÷ 160 A
	Duty cycle	35% 60% 100% 200A 170A 150A	30% 60% 100% 160A 130A 115A
	Electrodes	Ø mm 1,6 ÷ 4	
	Stepless regulation	ELECTRONIC	
	Protection class	IP23	
	Insulation class	H	
	Construction standards	EN60974-1 EN60974-10	
	Dimensions	180x400x410h mm	
	Weight	13,0 kg	