

# MULTIWELD 186 SYNERGIC



Thanks to all these characteristics, it's an ideal machine for maintenance, repair, installation and on site welding, but also for workshop works requiring versatility of use.

- Equipped with **2 displays** that show the **amps and voltage** and the **welding process** selected: MIG/MAG, MMA or DC TIG.
- Equipped with **EURO type connection** for MIG/MAG and TIG torches.
- **TIG** welding with start by **"lift" contact**.
- Suitable to **weld in MMA-SMAW** mode both rutile and basic electrodes.
- It's equipped with **PFC** (Power Factor Correction) device to reduce and stabilize the power absorption.
- Possibility to activate a security **password**.
- It comes with MIG torch and earth cable.

In the **MIG/MAG** mode:

- **it is possible to select a synergic program** according to the wire type and diameter as well as the shielding gas to be used;
- it has curves optimized for **steel, stainless steel, aluminium, MIG brazing and flux cored wire**; it's possible to **store new programs**;
- synergic programs for steel allow working with either mixed gasses or 100% CO<sub>2</sub>;
- selecting the **manual working mode**, it's possible to modify the welding parameters;
- a dedicated control is provided for **fine tuning the arc length**.

**MULTIWELD 186 SYNERGIC** is a **single-phase multipurpose inverter** power source, suitable for **welding alternately in MIG/MAG, MMA (stick electrode) and DC TIG ("lift" start) mode**. It has a **compact design, low weight** and offers the possibility to be **connected to home mains (3kW) and to generators** with a power at least of 4,8 kVA.

## SINGLE-PHASE MULTIPURPOSE INVERTER POWER SOURCE

### TECHNICAL DATA

Model	<b>MULTIWELD 186 SYNERGIC</b>		
Code	<b>S00224</b>		
Single-phase input supply	1x230V 50-60Hz		
Installation power	3 kW		
	MIG	TIG	MMA
Absorbed power	4,7 KVA 35%	3,5 KVA 35%	4,3 KVA 45%
Current range	15÷170A	5÷170A	10÷140A
Duty cycle	35% 60% 100% 170A 140A 120A	35% 60% 100% 170A 140A 120A	60% 100% 140A 120A
Stepless regulation	ELECTRONIC		
Wire	0,6/0,8/1,0 Fe - 1,0 Al - 0,8 Inox - 0,8 CuSi3% - 0,9 Cored Ø mm		
Max. wire spool size	Ø 200 mm – 5 Kg		
Electrodes	Ø 1,6 - 3,25 mm		
Protection class	IP 23		
Construction standards	EN60974-1 EN60974-10 <b>CE</b> <b>S</b>		
Dimensions	220x440x460h mm		
Weight	11,5 kg		