

The PROTIG 201 AC/DC is the professional TIG welding solution for welding all types of metal up to 4 mm thick (steel, stainless steel, aluminium, copper or titanium). It ensures a very high level of precision in many areas such as fabrication, maintenance or piping.

## 6 TIG AC/DC processes

- **Welding current :** 10 to 200 A (TIG AC), 10 to 160 A (TIG DC)
- **TIG DC - Standard :** Ensures a quality weld on all ferrous materials such as steel, stainless steel but also copper and its alloys, titanium...
- **TIG DC Pulse :** Controls molten temperature, limits deformation and thus allows the assembly of thin sheets from 0.3 mm.
- **TIG DC SPOT :** Pre-assembles ferrous metal parts by tacking.
- **TIG AC - Easy :** Makes the use of the welding machine easier thanks to predefined settings. The user only selects the diameter of his tungsten electrode on the interface.
- **TIG AC - Standard :** Designed for welding aluminium and its alloys (Al, AlSi, AlMg, AlMn...). Alternating current provides cleaning of the aluminium for a perfect weld.
- **TIG AC - SPOT :** Pre-assembles the aluminium parts by tacking.

## 2 modes of coated electrode welding

- **Welding current :** from 10 to 160 A (MMA)
- **MMA Standard :** Accepts basic, rutile electrodes up to  $\varnothing$  4 mm.
- **MMA Pulse :** Helps welding in a vertical upright position (nozzles/pipeline).

## Designed for user comfort

- **2 types of start-up :** HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes :**
  - 2 times: maintain pressure on the trigger throughout the weld.
  - 4 times: to start welding, press the trigger only once and then press the trigger again to stop welding.
  - 4T «LOG»: the operator chooses at any time between 2 welding currents by a short pulse on the trigger (hot and cold current).
- **MMA welding assistance :**
  - Antisticking : reduces the risks of the electrode sticking if it comes into contact with the workpiece
  - Hot Start: Assists in Arc ignition and can be adjusted according to the type of metal
  - Arc Force Adjustable: regulates the arc length deviations
- **VRD (voltage reduction device):** the welding current is only delivered when the electrode is in contact with the workpiece (not originally activated).

## Robust design for all environments

- **Reinforced chassis** and Anti-shock absorbant protection
- **Compact** and lightweight design
- **Current/Voltage display** after welding (DMOS/QMOS)
- Storage of up to **50 programs** per process
- **Connectivity** for remote controls

## HIGH-TECH POWER SUPPLY

### FLEXIBLE

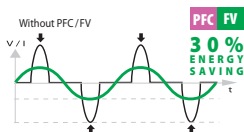
#### FV FLEXIBLE VOLTAGE



The device works on a simple 230V-16A or 110V-20A plug, even in intensive use and on site extensions (100m).

### ECONOMICAL

#### PFC POWER FACTOR CORRECTION 30% energy saved



PFC technology suppresses peaks and regulates the supply current. Also allows the use of extension cords or generators and contributes to a better current stability during the welding phase.

### SAFE

#### P400 PROTEC 400

Can withstand occasional or permanent voltage variations on the electrical network up to 400V (lightning, generator, load shedding loads...)



without accessories : ref. 061828

with accessories : ref. 063945  
- torch SR26DB (4m)  
- kit MMA

## Accessories (options)



Sack truck  
ref.039704



Trolley  
ref. 041257



Manual remote control  
ref.045675



Foot pedal  
ref.045682

50/60hz	TIG AC	TIG DC	MMA	EN60974-1 (40°C)			U <sub>0</sub>	35/50	cm/kg	Protected & compatible POWER GENERATOR (+/- 15%)				
				I <sub>2</sub>		I <sub>A</sub> (60%)								
				TIG AC	TIG DC	MMA					TIG DC	TIG AC	TIG AC	
230 V 1~	13 A	10-200 A	10-160 A	10-160 A	100 A	100 A	90 A	25%	25%	13%	70 V	35/50	24 x 41 x36 / 15 Kg	7.5 kW
110 V 1~	20 A	10-160 A	10-160 A	10-110 A	90 A	120 A	105 A	32%	25%	20%				