

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 Ø 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

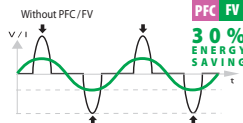
#### FV FLEXIBLE VOLTAGE



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  | I <sub>2</sub> | EN60974-1 (40°C) |          |          |                      |        |                         | U <sub>0</sub> | 35/50  | cm/kg  | Protected & compatible POWER GENERATOR (+/- 15%) |
|--|----------|----------------|------------------|----------|----------|----------------------|--------|-------------------------|----------------|--------|--------|--------------------------------------------------|
|  |          |                | TIG AC           | TIG DC   | MMA      | I <sub>A</sub> (60%) |        | X% (I <sub>2</sub> max) |                |        |        |                                                  |
|  | 230 V 1~ | 16 A           | 10-200 A         | 10-160 A | 10-160 A | MMA                  | TIG DC | TIG AC                  | MMA            | TIG DC | TIG AC |                                                  |
|  | 110 V 1~ | 32 A           | 10-160 A         | 10-160 A | 10-110 A | 110 A                | 110 A  | 110 A                   | 22%            | 23%    | 13%    |                                                  |
|  |          |                |                  |          |          | 90 A                 | 100 A  | 100 A                   | 38%            | 20%    | 20%    |                                                  |