

The PROTIG 201L 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. Equipped with a cooling unit, it allows the use of more ergonomic TIG torches.

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

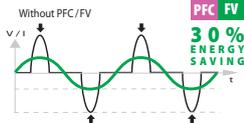
FV FLEXIBLE VOLTAGE



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...)



System of cooling integrated



Without accessories : ref. 062610

With accessories : ref. 063952
- torch SR20DB (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 ₀	35/50	cm/kg	Protected & compatible POWER GENERATOR (+/- 15%)		
				I ₂		I _A (60%)						
				TIG AC	TIG DC	MMA					TIG DC	TIG AC
230 V 1~	10-200 A	10-160 A	10-160 A	110 A	110 A	110 A	22%	23%	13%	70 V		
110 V 1~	10-160 A	10-160 A	10-110 A	90 A	100 A	100 A	38%	20%	20%			