

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

Six AC/DC TIG processes

- **Welding current:** 10 - 200 A (ACTIG), 10 - 160 A (DCTIG)
- **STANDARD DC TIG:** Ensures high-quality welding on all ferrous materials, such as steel, stainless steel as well as copper, its alloys and titanium, etc.
- **PULSED DC TIG:** Controls the melting temperature, limits deformation and allows sheet metal from 0.3 mm thick to be assembled effectively.
- **SPOT DC TIG:** Pre-assemble ferrous metals by spot welding them together.
- **EASY AC TIG:** Makes using the welding machine even easier thanks to predefined user settings. The operator only has to select the tungsten electrode's diameter on the machine's control panel.
- **STANDARD AC TIG:** Designed for welding aluminium and its alloys (Al, AlSi, AlMg and AlMn, etc.). An alternating current effectively cleans the aluminium for perfect welds.
- **SPOT AC TIG:** Pre-assemble aluminium parts and accessories by spot welding them together.

Two coated-electrode welding modes

- **Welding current:** From 10 - 160 A (MMA)
- **STANDARD MMA:** Uses basic and rutile electrodes up to Ø 4 mm.
- **PULSED MMA:** Makes it easier to weld in a vertical-upright position (nozzles/pipelines).

Designed for user comfort

- **Two ignition types:** HF (without contact) or ARC-LIFT (with contact) for electro-sensitive environments.
- **Three trigger management modes:**
 - 2T: Maintains pressure on the trigger throughout the welding process.
 - 4T: To start welding, press the trigger once and then press the trigger again to stop the welding process.
 - 4T «LOG»: The operator can switch between two separate welding currents by quickly pressing the trigger (hot and cold current).
- **MMA welding aids:**
 - Anti-Stick: Reduces the risks of the electrode sticking to the workpiece if it comes into contact with it.
 - Hot Start: Assists in igniting the arc and can be adjusted according to the type of metal being welded.
 - Arc Force: This fully adjustable feature 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).

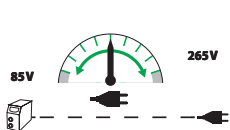
Robust design for all environments

- Equipped with a **reinforced chassis and anti-shock protections**
- **Compact and lightweight design**
- **Current/Voltage displayed after welding (DMOS/QMOS)**
- Stores up to 50 welding programs per process
- **Remote control connections**

HIGH-TECH POWER SUPPLY

FLEXIBLE

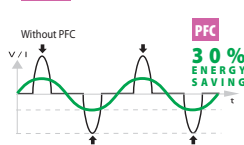
FV FLEXIBLE VOLTAGE



This device works on a simple 230V/16 A or 110 V/20 A plug socket, even during intensive, on-site usage or when used on a site extension (100 m).

ECONOMICAL

PFC POWER FACTOR CORRECTION 30% energy saved



PFC technology suppresses voltage peaks and regulates the supply current. It also enables the machine to operate on extension cables or a battery-based power source as well as contributing to better current stability during the welding phase.

SAFE

P400 PROTEC 400

Makes the device able to withstand occasional or permanent voltage variations on the electrical supply network up to 400 V (lightning, power sources, load discharging, etc.).



without accessories: PN. 061828

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

Accessories (optional extras)



Sack truck
PN. 039704



Trolley
PN. 041257



Manual remote control
PN. 045675



Foot pedal
PN. 045682

50/60Hz	TIG AC	TIG DC	Mma	EN60974-1 (40 °C)			U ₀	cm / kg	Protected & compatible POWER GENERATOR (+/- 15%)
				I ₂	I _A (60 %)	X% (I ₂ max)			
				Mma	TIG DC	TIG AC			
230 V 1 ~	16 A	10-200 A	10-160 A	110 A	110 A	110 A	70 V	24 x 41 x 36 / 15 kg	
110 V 1 ~	32 A	10-160 A	10-110 A	90 A	100 A	100 A	35/50	7,5 kW	