

The PROTIG 250 DC TRI is a 250 A three-phase TIG and MMA industrial power source with IP23 protection for use in the most difficult conditions. Ideal for welding on mild and stainless steels, it ensures excellent ignition quality and a very stable arc. Its high output ensures exceptional results, even when joining materials of different thicknesses. Lightweight, compact and extremely robust, it is the ideal tool for use on site.

## 2 WELDING PROCESSES

- TIG DC** **DC Standard:** smooth current welding on most ferrous materials.
- TIG DC** **DC Pulse up to 900 Hz:** controls the temperature of the weld pool, limits workpiece deformation and allows assembly of thin sheets, as fine as 0.3 mm.
- MMA** **MMA Standard:** rutile and basic electrodes (up to Ø 4 mm).
- MMA** **MMA Pulse up to 20 Hz:** facilitates welding in a rising vertical orientation (pipes/pipelines, etc.).

## OPTIMISED TIG SETTINGS

- **2 spot welding modes:**
  - **Spot:** adjustable spot timing from 0.1 to 25 seconds for workpieces before welding.
  - **Pulse:** adjustable from 0.1 to 25 seconds for thin sheets before welding.
- **2 types of ignition:** contactless HF or contact LIFT for electrosensitive environments.
- **3 different trigger settings:** 2T, 4T and 4T LOG.

## MAXIMUM PRODUCTIVITY

- Advanced secondary regulation for superior arc stability and consistent current in all positions.
- Save up to 10 welding programs per process for recurring tasks.
- Advanced menu for maximum welding control.
- Current and voltage display during and after welding (DMOS/QMOS)
- Automatic torch detection: compatible with lamella and double button torches.
- Remote controls (optional manual control or foot pedal) can be connected without the need of tools.
- Intelligent ventilation management to reduce power consumption, dust ingress and noise.

## IDEAL ON SITE

- Reinforced body and anti-shock feet.
- IP23 protection level for outdoor use.
- Space-saving and easy to move on site.
- Supplied with double button TIG26 torch (4 m) and earth cable (4 m).

## ACCESSORIES (optional)



Double button mode for welding torch TIG26  
084216



Consumables box for TIG26 torch  
044678



Trolley 4m3 XL  
080034



RC-HA1 - 8 m  
045675



RC-FA1 - 4 m  
045682



Supplied with accessories



TIG26B  
4 m - 25 mm<sup>2</sup>



4 m - 25 mm<sup>2</sup>



Intuitive interface with illuminated display, clearly readable up to 10 metres away.

50/60 Hz	3 m	A	I <sub>2</sub> TIG A	I <sub>2</sub> MMA A	INTEGRATED TECHNOLOGY		TIG			MMA			U <sub>0</sub> V	mm <sup>2</sup>	cm	kg	IP	Protected & compatible power generator (+/-15%)
					TIG DC PULSE	MMA PULSE	EN 60974-1 (40°C)			EN 60974-1 (40°C)								
							IA (60%)	X% (I <sub>2</sub> max)	100%	IA (60%)	X% (I <sub>2</sub> max)	100%						
400 V - 3~	3 m	16	5 → 250	10 → 220	0.1 → 900 Hz	1 → 20 Hz	190 A	35 %	147 A	168 A	35 %	130 A	58	35/50	43 x 24 x 35	14	IP 23	10 kW 12.5 kVA