

Designed for automated welding operations, the ORBITIG 200A is a welding machine operated by a CAN Bus. With inverter technology it benefits from the latest technical improvements in TIG welding. Compact, it will perfectly fit on robots, including on orbital TIG welding machines.

FEATURES

■ Flexible Voltage power supply

FV

This 220A machine will work on a single phase power supply from 85 to 265 V.

■ PFC technology (Power Factor Correction)

PFC

The electrical power supply usage is optimised for up to 30% energy savings.

■ CAN OPEN communication protocol

Compliant with the CiA (CAN In Automation) requirements, this system offers a fast and reliable communication solution.

■ «TRACKING» mode

The welding machine receives and updates the current setpoint in realtime.

■ Highly precise and instantaneous data exchange

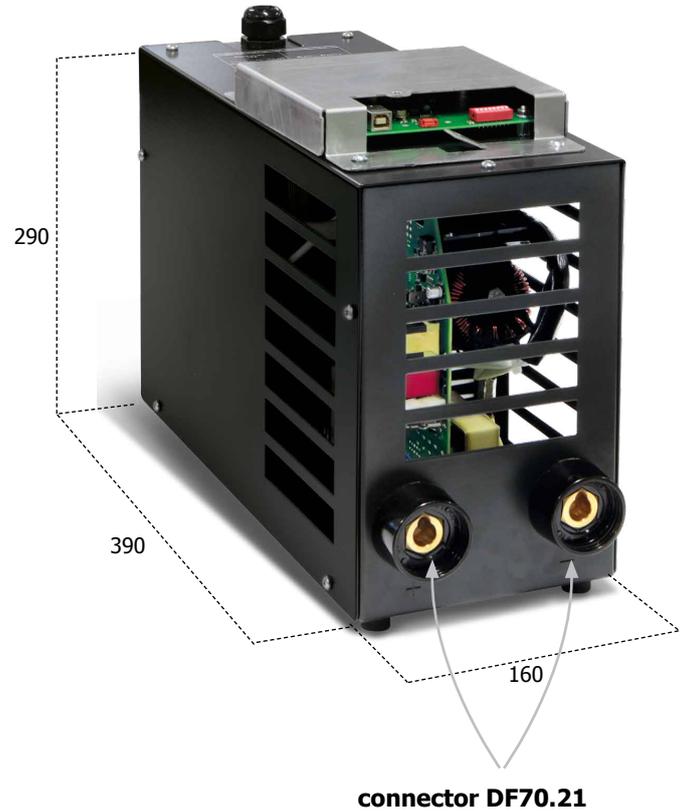
- Welding status (ARC ON / ARC OFF).
- Measure voltage and current (for energy control and arc length).
- Protection mode in case of overvoltage, undervoltage, short circuit or arc stop.
- Thermal protection information.

■ «HEIGHT CALIBRATION» mode

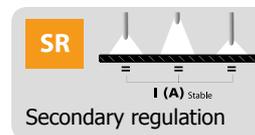
During the mass production of pipes, it is important to make sure that there is a constant height between the electrode and the pipe before starting the weld. To do so the welding machine features a vertical repositioning function which puts the electrode at a set height after contact.

■ 2 types of strike

- HF without contact
- LIFT with contact for electro-sensitive environments



connector DF70.21



Secondary regulation - Regardless of the input voltage and changes in distance between the electrode and the metal, the machine ensures a stable arc for optimum quality.

		TIG					
50/60hz	+AM+	I ₂	X% (I ₂ max)	EN60974-1 (40°C)		mm/kg	390 x 290 x 160 / 9
				I ₂ (60%)	I ₂ (100%)		
110 V - 1~	32 A	5 - 180 A	40%	125 A	110 A		
230 V - 1~	16 A	5 - 220 A	35%	165 A	140 A		