

Equipped with the latest technology and digital control, the GYSTEC E180 PFC is a 180 A single-phase inverter welder with 3 welding processes: MMA, Pulse MMA and TIG lift. The digital display gives you better control over all the parameters, delivering quality welds on steel, cast iron and stainless steel, up to 10 mm thick. PFC technology ensures perfect arc stability, even in the event of mains voltage variations, or when the unit is used on a long extension lead (up to 100 m).

### 3 WELDING MODES

- **MMA** : welds all rutile, stainless steel, cast iron, and basic electrodes (up to Ø 4 mm).
- **MMA Pulse** : ideal mode for welding in a rising vertical position (pipes/pipelines, etc.). Frequency and percentage of cold current can be adjusted.
- **TIG Lift** for precision work on thin sheet metal, without tungsten inclusion in the weld bead.

### 4 WELDING AIDS



**Adjustable Hot Start:**  
easy ignition.



**Adjustable Arc Force:**  
Provides temporary increase in welding current in challenging welding situations.



**Antisticking:**  
Reduces the chance of the electrode sticking when it comes into contact with the workpiece.



**Adjustable DownSlope:**  
A simple upward movement of the wrist triggers the downslope and the weld is completed smoothly and cleanly.



Supplied in box + case



3 m - 16 mm<sup>2</sup>



3 m - 16 mm<sup>2</sup>



### USER PROTECTION

- VRD (Voltage Reduction Device) can be activated to reduce the no-load output voltage to < 35 V.

### IDEAL ON-SITE

- Accommodates extension leads of up to 100 m.
- Ventilation tunnel to reduce dust ingress.
- Space-saving and easy to move on site.
- Protected against overvoltage up to 400 V (PROTEC 400).
- Compatible with generators.



Choice of welding mode and parameters

Current and welding aid settings

### TIG TORCH (optional)



TIG 17 valve torch - 4 m  
087583

50/60 Hz	I <sub>2</sub> MMA/TIG A	I <sub>2</sub> MMA/TIG A	Ø mm	Integrated technology				MMA		TIG		U <sub>0</sub> V	U <sub>R</sub> V	mm <sup>2</sup>	cm	kg	kg	IP	Protected & compatible power generator (+/-15%)	2 m	
				HS	AF	ANTI-STICKING	MMA Pulse	EN 60974-1 (40°C) IA (60%)	100%	EN 60974-1 (40°C) IA (60%)	100%										
230 V 1~	16	10 → 180	1.6 → 4	▪	▪	▪	0.4 → 20 Hz	110	85	120	95	64	13.7	10/25	35 x 15 x 27	5.9	7.5	IP 21	7 kW	10 kVA	2 m