MMA / LIFT TIG INVERTER-WELDING MACHINE
5 → 220 A

PROGYS 230E FV CEL

Ref. 082786

INVEST IN THE FUTURE

Designed for the most demanding industry professionals, the PROGYS 230E FV CEL blends the latest welding technology with an intuitive user interface. Its innovative ignition process allows the user to vertical-up and vertical-down weld very reliably with all types of electrodes up to Ø 5 mm, including cellulosic and aluminium-coated electrodes.

FOUR SPECIALIST WELDING MODES

- **MMA:** Weld all rutile, basic, stainless steel, cast iron, aluminium and cellulosic electrodes up to Ø 5 mm.
- **Pulsed MMA:** The ideal mode for vertical-up welding (for pipes and pipelines). Adjustable frequency and cold-current percentage.
- **DC TIG:** Featuring Lift-Arc ignition (with electrodes between Ø 1.6 - 2.4 mm).
- **Pulsed TIG:** Controls the metal's melting temperature and enables the welding of sheet metal from 0.3 mm thick.

THREE MMA WELDING FEATURES

- Adjustable **Hot Start** : For easier ignition.
- Adjustable **Arc Force** : Automatically increases the current in difficult welding situations.
- **Antisticking :** Reduces the risk of the electrode sticking to the workpiece when welding.

MAXIMUM PRODUCTIVITY

- Duty cycle of 60% at 175 A (40°C).
- Stores up to ten different programs for each process for perfectly consistent welds.
- Select the type of electrode required for optimal welding (predefined settings).
- Optional remote control.
- PFC (Power Factor Correction) technology means power cables can be up to 100 m long.
- FV technology ensures a stable arc even with a varying mains current (85 - 265 V) or when used with a varying power current supplied from a welding-machine.
- Current and voltage are displayed during and after welding (DMOS/QMOS).
- Optimised cooling system designed for industrial use.

USER PROTECTION

- A VRD (Voltage Reduction Device) can be turned on to reduce the no-load output voltage < 35 V.
- Lockable keypad prevents operating errors.

RESILIENT

- Reinforced casing and anti-shock pads on all sides.
- IP23 protection level for outdoor use.
- PROTEC 400 technology protects against overvoltages up to 400 V.



Remote-control connections



Supplied without accessories

Potentiometer for easy settings adjustments



Lockable keypad

Stores up to 10 programs per welding process

(Optional) ACCESSORIES



MMA Kit
200 A - 3 m - 25 mm²
047402



TIG Torch Valve
SR17V - 4 m
087590



Manual Remote Control
RC-HA1 - 8 m (MMA/TIG)
045675



Remote Control Foot
RC-FA1 - 4 m (MMA/TIG)
045682

50/60 Hz		A	I_2 MMA A	I_2 TIG A	INTEGRATED TECHNOLOGY HS	AF	TIG Lift	TIG Pulse	SR	AD	CEL	ALU	EN 60974-1 (40 °C) MMA IA (60 %)	MMA 100 %	TIG IA (60 %)	TIG 100 %	U_0 V	mm²	cm	kg	IP	Protected & compatible power generator (+/-15%)	
230 V - 1~	2 m	32	5 → 220		•	•	•	•	•	•	•	•	175 A	145 A	215 A	200 A	77.5	35/50	41.6 x 23 x 34.2	12	IP 23	10 kW	12.5 kVA
		16											145 A	120 A	200 A	160 A							
110 V - 1~		32	5 → 120	5 → 140									85 A	70 A	120 A	100 A	69						

CE - EN 60974-1

MADE in FRANCE

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