



Our 100% construction site compatible MMA professionals: small, tough and highly versatile



PICO 230



PICO 300 CEL PWS



MMA welding



TIG welding
Liftarc ignition

HIGHLIGHTS

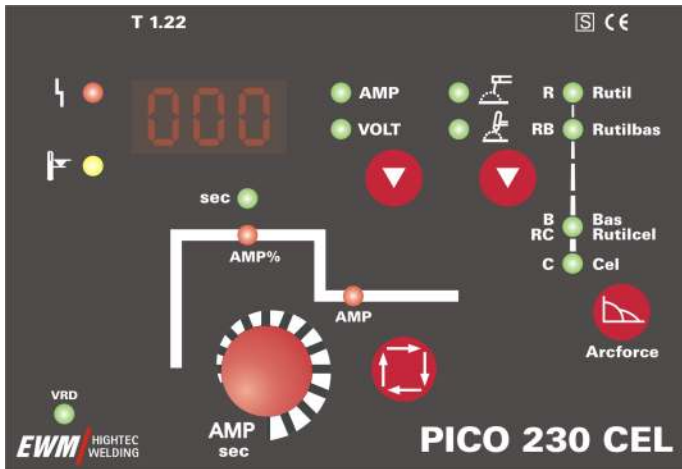
- 100 % suitable for construction sites - optimised for tough assembly work thanks to the optimised casing design for maximum protection from dust and small particles, assured operation on generators and on long mains supply leads
- PICO CEL 100 % safe for vertical-down welding when using cellulose electrodes, particularly also in the lower power range
- PICO 300 CEL PWS - choose the polarity anytime, anywhere via pole reversal on the machine or via the remote control directly on the workstation
- Safe and reliable - integrated temperature monitor for protection against overload, location of the electronics in a low-dust environment and durable metal casing
- Reproducible, safe ignition - automatic management according to the electrode being used, high open circuit voltage and infinitely adjustable hotstart current and time
- Excellent welding properties - innovative inverter technology with digital control for a stable arc, easy-to-master weld pool, improved and problem-free welding of critical electrodes and adjustment option of the welding characteristic (arcforcing) to all electrode types

AREA OF APPLICATION

- Repair and production of machines, plants, construction and agricultural machines, rail cars, ships, chemical plants, boilers, closed containers, equipment construction, pipelines, pipe construction, cast components and more
- Coated electrodes (rutile, rutile/basic, basic, rutile/cellulose, cellulose)
- Unalloyed, low-alloy and high-alloy steels, nickel-based and copper alloys



SIMPLEST POSSIBLE OPERATION WITH MAXIMUM EASE-OF-USE



- Self-explanatory operating interface with one-dial operation
- Reproducible setting of all welding parameters on the digital display
- Hold function for simple reading and problem-free recording of welding current and voltage after welding
- Standard remote control connection for setting the welding current directly on the workstation

FUNCTIONS TO PERFECT MMA WELDING



HOTSTART

Advantage: Safe ignition and reignition of the electrode to avoid bonding errors (cool points), best quality at the start of the seam and at the start of seams (no reinforcement).



ANTISTICK

Advantage: No annealing of the electrode.

If the electrode sticks, e.g. because the welding current is too low, the current is reduced to the minimum.



ARCFORCE

Advantage: Optimum welding properties for all electrode types, avoids short circuits in electrodes with large-drip material transfer.



PWS Pole reversing switch
(PICO 300 CEL PWS only)

Advantage: Flexible change of polarity without having to stop work.

TECHNICAL DATA

CE IP23 S IEC/EN 60974 EN 50199

Welding machine	PICO 230; 230 CEL	PICO 300; 300 CEL	PICO 300 CEL PWS
Setting range Welding current	10 A-230 A	10 A-300 A	10 A-300 A
Duty cycle (dc) at 40 °C ambient temperature			
25 % dc	-	300A	300A
40 % dc	230A	-	-
60 % dc	200A	220A	220A
100 % dc	150A	170A	170A
Open circuit voltage	99V	99V	99V
Open circuit voltage VRD (optional)	20V	20V	20V
Mains voltage (tolerances)	3 x 400 V (+20 % - -25 %) / 3 x 415 V (+15 % - -25 %)		
Mains frequency	50/60 Hz	50/60 Hz	50/60 Hz
Mains fuse (slow-blow safety fuse)	3 x 16 A	3 x 16 A	3 x 16 A
Max. connected load	10,1 kVA	14,3 kVA	14,3 kVA
Recommended generator rating	13,7 kVA	19,3 kVA	19,3 kVA
Dimensions L x W x H [mm]	490 x 186 x 350	490 x 186 x 350	490 x 186 x 445
Weight approx.	16,5 kg	16,5 kg	23,5 kg