



GUARANTEE
2
YEARS

UpTIG 220 AC/DC UpTIG 300 AC/DC

TIG welding and coated electrodes



- TIG welding, pulsed TIG and MMA
- Single-phase power supply 230 V (220A)
- and 400 V three-phase (300A)
- Maximum current: 220 A and 300 A
- Special TIG functions: synergy pulsed, quick start, quick spot, etc.
- Easy to use
- Multi-purpose and technology



UpTIG 220 AC/DC UpTIG 300 AC/DC

UpTIG 220 AC/DC and 300 AC/DC are inverter-type TIG and MMA welding power sources, offering high quality and outstanding arc stability. UpTIG 220 AC/DC is powered by a 230V single-phase supply, while for UpTIG 300 AC/DC 400V three-phase supply is preferred. In TIG AC, aluminium alloys can be welded with high quality and precision.

UpTIG 220 and 300 AC/DC are equally easy to use at the workshop and on site. Manufacturing, assembly, repair, maintenance, and piping operations can be conducted, amongst others. For the industry, the food sector, etc., these machines are ideal to be operated with a generator set (with voltage stabilised).

- Easy to use through a simple user-friendly interface. The central display provides easy and quick access to all functions available. The unit can be controlled using a rotating control. All parameters for professional TIG welding are available: 2 and 4 times mode, pre-gas, post-gas, downslope time, ramp up / ramp down time...
 - High-precision **QUICK SPOT** tack-welding function, by making contact with the electrode to the tack position on the part, and then lifting it to generate arc and tack-welding.
 - The **QUICK START** function provides safe and quick ignition in any situation.
 - Integrated pulsed current (up to 2500Hz) function to improve molten pool control, in particular in the field of thin sheet-metal.
- The **SYNERGIC PULSE** function always provides balanced pulse, by simply adjusting the average welding current; all the other parameters are automatically regulated by the generator.
- Other special functions available allow adapting to difficult conditions or facilitate welding work: **MULTITACK, DYNAMIC ARC, EXTRA FUSION...**
 - 50 jobs can be stored allowing optimised adjustments to be registered for future use in recurring applications. A USB port is available on the front panel allowing importing or exporting jobs to other power sources (of the same type).
 - **PFC** Technology and **VRD** function (for welding safety).

Technical data		UpTIG 220 AC/DC	UpTIG 300 AC/DC	Fittings	
				NAME	CODE ESC
Power supply		1 x 230 V ±15%	3 x 400 V ±15%	UpTIG 220 AC/DC	769377
Voltage frequency		50 / 60 Hz	50 / 60 Hz	UpTIG 300 AC/DC	769378
Mains fuse		25A delayed	20A delayed	TIG W400/4m/1/4T/2G Torch	500264
Primary rms current I _{hEff} (TIG)		12.9A	8.2A	TIG W400/8m/1/4T/2G Torch	500265
Max. power for I _{max}		6.2 kVA - 6.1 kW	14.6 kVA - 11.4 kW	TIG Torch G220/4m/1/4 for /2G	301153
No load voltage (U ₀)		80V	57 V	TIG Torch G220/8m/1/4 for /2G	301156
Reduced no-load voltage (U _r)		12V	10 V	Ground cable	655311
Current adjustment range	TIG	5 A - 220 A	5 A - 300 A	Flow meter Precigaz 3 TM	764509
	Electrode	10 A - 180 A	10 A - 300 A	Welding cable	659022
TIG 40°C / 10 min. (as per EN 60974-1)	FM 25%	220 A	300 A	Cooling 2030 UpTIG	769379
	FM 60%	160 A	200 A	Foot-control UpTIG	769381
	FM 100%	140A	170 A	Foot control cable UpTIG 5m	769382
Protection rating		IP 23 S	IP 23 S	Remote control pot. UpTIG	769383
Insulation class		H	H	Remote control dist. UpTIG 5m	769384
Cooling group type		AF	AF	Remote control dist. UpTIG 10m	769385
Measurements L x D x H (mm)		475 x 235 x 401	475 x 235 x 401	Chariot XuperMIG 3000	307275
Weight		23.4 kg.	27.2 kg.		

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