



DIGISTAR 2000 PULSE



NEW

PORTABLE SYNERGIC MULTIFUNCTION POWER SOURCE FOR PULSE MIG, MIG/MAG, MMA AND TIG

Wide versatility and portability are the main features of single-phase multifunction synergic power source DIGISTAR 2000 PULSE.

Based on the most modern IGBT inverter technology and fully digital controlled, allows premium welding quality in MIG/MAG, Pulse MIG on all materials and particularly on stainless steel, aluminium and galvanized steel, by minimizing any reworking job thanks to their spatter free welding.

DIGISTAR 2000 PULSE has got possibility of storing up to 99 JOBS, by also granting optimal performances both in TIG by "Lift" mode and in MMA welding. Innovative, versatile, light, easy-to-carry and user friendly, DIGISTAR 2000 PULSE, thanks to its very high technological conception, is absolutely unique for all external or internal maintenance jobs, car body repairs, agriculture and light fabrication works.



- ▶ Multiprocess: MIG PULSE, MIG/MAG Synergic & Manual, MMA and TIG Lift
- ▶ Digital control of all welding parameters with preset synergic curves according to used material, gas and wire diameter
- ▶ User friendly and easy-to-use selection and recalling of the parameters and welding programs
- ▶ Ability to store personalized welding parameters up to 99 JOBS
- ▶ Built-in polarity changeover facility for most common gas and gasless wires
- ▶ Central Euro connection for the torch
- ▶ Professional wire feeding mechanism
- ▶ Double groove rolls replaceable without any tool
- ▶ Energy Saving: fan on demand
- ▶ Possibility of utilizing 300 mm Ø coils by means of the Retrofit Kit (Optional).
- ▶ VRD - Voltage Reduction Device



CONTROL PANEL

- ▶ Digital Voltmeter and Ammeter with Hold Function of the last parameter
- ▶ Presetting and adjustment of: current, wire speed, thickness, program, arc length, voltage, electronic inductance
- ▶ Mode: 2T/4T, "initial & crater", spot timer, stitch timer

MMA WELDING

- ▶ Adjustable Arc Force to select the best welding arc dynamics
- ▶ Adjustable Hot Start to improve the arc striking
- ▶ Electrode Antisticking function

TIG WELDING

- ▶ DC TIG welding by "Lift" mode striking to minimize tungsten inclusion.





VISION.ARC is the innovative welding arc performed by DIGISTAR 2000 PULSE: a powerful microprocessor manages in real time the welding process, by elaborated and adjusting, in a very few microseconds, over 100 welding parameters.

The entire welding process is under total control by keeping the arc extremely stable and precise in spite of any change in external conditions, while also compensating for the torch movement and workpiece irregularity.

VISION.ARC grants premium performances with an exceptionally high quality impossible to be obtained by traditional power sources, thus resulting into much faster welding speed, higher welding wire deposition and remarkable reduction in spatters and workpiece thermal dilatations.

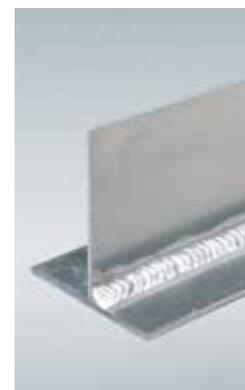
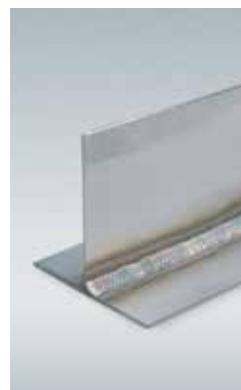


VISION.PULSE

The new VISION.PULSE optimizes the results of traditional pulsed welding, allowing to obtain the classical "one pulse one droplet" deposition by using an even shorter arc.

Thanks to the very fast dynamic response of the control, VISION.PULSE modifies in real time the parameters, while maintaining a constantly monitored short arc.

This allows to reduce the high heat input, typical in pulse welding, with a consequent reduction in distortion, an improvement in the puddle and considerable increase in welding speed too.



TECHNICAL DATA		DIGISTAR 2000 PULSE		
		MIG/MAG	TIG	MMA
Single phase input 50/60 Hz	V ^{+15%} / _{-15%}		230	
Input Power @ I ₂ 60%	kVA	5,1	3,9	5,6
Delayed Fuse (I ₂ @ 100%)	A	16	16	16
Power Factor / cos φ		0,68/0,99	0,67/0,99	0,68/0,99
Efficiency Degree		0,79	0,77	0,81
Open circuit voltage	V	59	59	59
Current range	A	10 - 200	5 - 175	10 - 150
Duty cycle at (40°C)	A 100%	100	100	90
	A 60%	115	115	110
	A X%	200 (15%)	175 (20%)	150 (25%)
Wires	Ø mm	0,6 - 1,2	---	---
Coil	Ø mm	200 max (300 opt.)	---	---
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10		
		S		
Protection Class	IP	23 S		
Insulation class		H		
Dimensions	↗ mm	500		
	→ mm	220		
	↑ mm	425		
Weight	kg	16		



ACCESSORIES

- Retrofit Kit to enable use of 300mm Ø coils
- Gas cylinder trolley

These power sources are built for industrial environment use. EMC (CISPR 11): class A

