



TREO 1800 SYNERGIC



MULTIFUNCTION SYNERGIC INVERTER EQUIPMENT FOR MIG/MAG, MMA AND TIG

Wide versatility and portability are the main features of single-phase multifunction synergic power source TREO 1800 Synergic.

Based on the most modern IGBT inverter technology and fitted with a professional fully digital control, TREO 1800 Synergic allows high quality MIG/MAG welding on all materials with 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, TREO 1800 Synergic, 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.

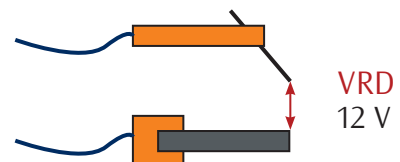


- ▶ Multifunction power source with optimal welding characteristics in MIG/MAG, MMA and TIG
- ▶ Digital control of all welding parameters with preset synergic curves according to used material, gas and wire diameter
- ▶ Ability to store personalized welding parameters up to 99 JOBS
- ▶ User friendly and easy-to-use selection and recalling of the parameters and welding programs (JOBS)
- ▶ Built-in polarity changeover facility for most common gas and gasless wires
- ▶ Central Euro connection for the torch
- ▶ Metallic main structure with shockproof fibre compound front frames
- ▶ Control panel protected against accidental impact
- ▶ IP 23 protection class and dust-proof electronic components, thanks to the innovative "tunnel" fan cooling system, allow use in the toughest work environments
- ▶ Professional 2-roll wire feeding mechanism for a precise and constant wire driving
- ▶ Double groove rolls replaceable without any tool
- ▶ Wire spool lodging up to 200 mm Ø max
- ▶ Possibility of utilizing 300 mm Ø coils by means of the Retrofit Kit (Optional).



VRD - VOLTAGE REDUCTION DEVICE

VRD device reduces open circuit voltage below 12 V and grants additional safety protection for the operator in all highly hazardous environments.





CONTROL PANEL

- ▶ Digital adjustments of all the welding parameters
- ▶ Digital Voltmeter and Ammeter with Hold Function of the last parameter
- ▶ Digital display to preset and read the welding parameters and synergic programs
- ▶ Selector: Current, Wire Speed, Thickness, Program
- ▶ Selector: Arc Length, Voltage, Electronic Inductance
- ▶ Welding "Process" selector:
 - MIG/MAG Synergic
 - MIG/MAG Manual
 - MMA • TIG DC • Job
- ▶ Welding "mode" selector:
 - 2T/4T • "Initial & Crater"
 - Spot Timer • Stitch Timer
- ▶ Initial and final crater control
- ▶ Gas purge and wire inch
- ▶ Special function key

MMA WELDING

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

TIG WELDING

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

TECHNICAL DATA		TREO 1800 SYNERGIC		
		MIG/MAG	TIG	MMA
Single phase input 50/60 Hz	V $\begin{matrix} +15\% \\ -15\% \end{matrix}$		230	
Input Power @ I ₂ Max	kVA	7,8	5,9	7,4
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 - 175	5 - 175	10 - 150
Duty cycle at (40°C)	A 100%	100	100	90
	A 60%	115	115	110
	A X%	175 (20%)	175 (20%)	150 (25%)
Wires	Ø mm	0,6 - 1,0	---	---
Coil	Ø mm	200 max (300 opt.)	---	---
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10		
Protection Class	IP	23 S		
Insulation class		H		
Dimensions	↗ mm	500		
	→ mm	220		
	↑ mm	425		
Weight	kg	16		



ACCESSORI

- Retrofit KIT per adattare bobine da 300 mm
- Carrello porta bombola

Other voltages available on request

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



ISO 9001: 2008

