



SMARTMIG - COMPACT



STEP ADJUSTMENT SEMIAUTOMATIC COMPACT WELDING EQUIPMENT

Industrial semi-automatic welding equipment with built-in wire feeder, suitable to be used with CO₂ gas and mixture for professional and industrial applications. SMARTMIG and COMPACT power sources, in their innovative and user-friendly design, ensure excellent welding characteristics on any material, aluminium and stainless steel included, by granting a very stable arc in any welding position.

Robust and easy-to-use, SMARTMIG and COMPACT power sources are suitable to be used in industry, fabrication work, car body repair, agriculture and maintenance.

- ▶ Excellent MIG-MAG welding characteristics on any material and with any gas
- ▶ Arc striking always precise
- ▶ Burn Back and motor ramp externally adjustable
- ▶ Spot timer on all models
- ▶ 2 – 4 stroke mode selector switch (COMPACT)
- ▶ Professional feeding system to ensure a precise and constant wire feeding
- ▶ Large inner lodging to easily accommodate also metallic coils (300 mm Ø max.)
- ▶ Double inductance connection for a better welding pool in any position (COMPACT 364 – 410)
- ▶ Standard supplied with cylinder carriage and robust wheels for an easy manoeuvrability
- ▶ EURO central connection for the torch

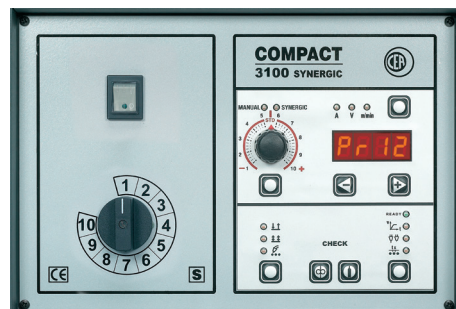


COMPACT SYN

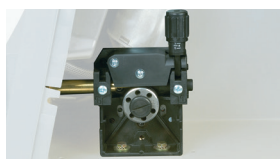
COMPACT SYN power sources represent an evolution towards the simplification process of the welding operations by allowing, in a user friendly way, also non expert users to easily adjust the welding parameters. Equipped with an innovative synergic control, COMPACT SYN equipment have got several pre-set welding programs, which, depending on used material, gas and wire diameter, will automatically select the best parameters according to the preset welding voltage.

The synergic function may be easily excluded by changing the way of setting the parameters like in traditional MIG's. Depending on used material thickness, an easy-to-read table shows in which position to set both commutator switches to automatically obtain the best welding result.

- Welding "process" selector: Manual/Synergic
- Synergic: best welding parameters are adjusted in a synergic way according to the chosen program
- Manual: the panel potentiometer adjusts the wire speed like in traditional equipment
- Digital display to show preset welding programs and also acting as a Voltmeter/ Ammeter with wire speed display and Hold Function of the last read value
- 2 /4 stroke /Spotting welding mode selector
- Motor Ramp /Burn Back / Spot Timer adjustment selector
- Gas Purge/ Wire Inch selector



SMARTMIG



COMPACT 310



COMPACT 364 - 410
COMPACT SYN 3100

TECHNICAL DATA		SMARTMIG	COMPACT			COMPACT
		T 25	310	364	410	3100 SYN
Three phase input 50/60 Hz	V	230/400	230/400	230/400	230/400	230/400
Input Power @ I ₂ Max	kVA	9,7	13,3	17,3	18,5	13,3
Delayed Fuse (I ₂ @ 60%)	A	16/10	25/16	25/20	35/20	25/16
Power Factor / cos φ		0,75	0,96	0,96	0,96	0,96
Efficiency Degree		0,76	0,70	0,68	0,70	0,70
Open circuit voltage	V	17 - 38	18 - 43,5	18,5 - 45	20 - 44	18 - 43,5
Adjustment positions	N°	10	10	14	20	10
Current range	A	25 - 250	30 - 300	45 - 350	60 - 400	30 - 300
Duty cycle at (40°C)	A 100%	120	170	200	240	170
	A 60%	160	225	260	300	225
	A 35%	210	300	350	400	300
	A X%	250 (25%)	---	---	---	---
Wires	Ø mm	0,6 - 1,2	0,6 - 1,2	0,6 - 1,2	0,6 - 1,6	0,6 - 1,2
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10 •				
Protection Class	IP	23 S	23 S	23 S	23 S	23 S
Dimensions	↗ mm	830	860	860	1060	860
	→ mm	400	540	540	600	540
	↑ mm	615	790	790	780	790
Weight	kg	53	70	83	109	71

Other voltages available on request

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



ACCESSORIES

- IR 14 water cooling equipment (COMPACT 410)

Technical features might change without notice