

# Motor Body Repair ergoweld 13k

#### 13000A - 400V Inverter spot welder

The ergoweld 13K is a welder using medium frequency technology (inverter). It is more powerful than the original version, with a navigation software even more evaluate (including data recording and extraction function) and a water circuit cooling cables, electrodes and diode bridge thanks to a high power integrated cooler to answer the specifications of automotive builders.



### C gun : Air cooled

Up to 250 daN at 7 bars Secondary cables L=3m 360° rotating arm



#### Water cooled Double stroke cylinder

**520 daN** at 7 bars Standard arms until 400mm Secondary cables L=2,5m



#### Single sided gun :

Air cooled, Secondary cables L=3m, For welding on 1 side (or for dent pulling with accessory kit in option)



Models	ARO Reference	Equipment
SXR	ZUR187204 + Kit HMI04038	SXR gun, 1 air cooled single sided gun & earth pad with 3m cables 1 telescopic hanger, 1 integrated water cooler and its accessories
SXR/C	ZUR187205 + Kit HMI04037	SXR gun, 1 non-cooled C gun 3m cable, 1 non-cooled single sided gun & earth pad 3m cables, 2 telescopic hangers, 1 integrated water cooler and its accessories



Accessories kit

## Quality without compromise

#### Adaptive ready concept :

Analysis in real time of dynamic resistance during a weld cycle is calculated from the secondary current and voltage of the weld gun. This allows the Adaptive Weld system to automatically adapt the weld parameters to suit the assembly being welded.

- Welding of different sheet combinations without programme change : eliminates programme selection
- Stronger weld assembly, specially with HLE, THLE, Trip panels
- Simplified and reduced programming
- Welding of glued or insulated panels
- Automatic electrode wear compensation
- Management and recording of weld spots



AW Converter

#### Standard functions available :

- Current regulation
- Language choice
- Spot weld counter per tool
- Possibility to modify factory parameters and reset
- Choice of tools, accessories, thickness and material
- Pressure program : calculation of the electrode force according to arm length and available air pressure
- Calibration : checks the maximum available power on site and do not exceed it
- Favourite programs : 16 available programs to store OEM programs, or your own
- Display of the measures parameters after each spot
- New EDR function : the ergoweld data record allows the recording, viewing and downloading of spots with all their parameters.



LCD screen and user-friendly navigation software

1	AF	10	780 ett.ENG T	ED=>0.034	IS SPICLY		е	rgo	weld	d da	ta r	еро	rt
Iom de l'utilisateur Carlos Vénicule Poste à souder ZUR197205			Madèle. VIN	Lapina 1 800 120448012	Lapina 1 8x01 120448012		Case 25.09.0005			1			
-		Pagmitte	1 1		1	1	P.4	se 1	Put	1+2	Pul	102	Discrip.
Point	Shite	0.5	Accessoire	Listions	Ecoloseur	Pression	Coldant	Teroins	Courant	Terros	Courant	Techina	
1	N.	Pirce SX	bras 120	Hist	2.0 mm	4.7 par	6952 A	120 ma					\$,441
2	1	Pirce SX	bres 120	200	20.mm	4.7 bar	2745 A	20 me					144
3	N.	Pirce SX	bras 125	H05	2.0 mm	4,7 bar	9004 A	120 ms					\$:44
4	H.	Piece SX	Srss 120	1-33	2.0 mm	4.8.237	\$850.A	120 ma					\$ 44
5.1	4	Pirce 54	- 6476 720	1-33	2.0 mm	4.7 8.8	5220 A	120 mile					5.44
- Q	N	Pince C		H23	1.2 mm	5.0 bar	5500.A.	143 ma					802
1	R	Pinto C		H95	1.2 mm.	5.0 bar	0507.A.	140 ma					802
8	N.	Price C		Hop	1.2 mm	5.0 bar	0614.A	140 mg					9.02
8	× .	PercerC:		H05	1.2 etm.	5.0 car	0759.A	140 mp					8.02
10	N	Pince C		HISO	1.2 mm	0.0 bar	A, #030	140 mp			2		902
11	N	Peop C		1988	12000	-50bH	3525 A	140 ms					9.02
12	~	Pince C		198	1.2 mm	5.0 bar	0521.A	140 ms					
15	W	Pince C		192	12mm	5.0 bar	0507 A	140 ms					
54	M	Pince C		H15	5.2 mm	4.9 bar	8100 A	140 ms					9.02
15	N.	Pince C		Had	12mm	5.0 bar	0603A	140 ma					9.02
10	M	Perce C		105	1.2 mm	0.0 697	6610A	140 ma			-	_	202
37	N.	Price C		Haa	1.2 mm	5.0 bar	0611.A	140 ms					
- 14	M	Perce C		100	1.2 mm	5.0 bar	6612A	140 ma				_	102
- 12	M	Prot C		798	12 mm	5.05ar	A 1026	140 ms					902
	M	Pirce SX	200 mm		1.5.mm		8530 A	50 ma	8500 A	50 ma	8500 A	10 ma	202
-	N.	Pirce SX	200 mm	THE	1.5 mm	5.5 bar	\$500 A	50 ma	0000A	60 ma	\$850 A	50 ma	903
	N	Pirce S.(	230 mm	THE	5.5.mm	5.5 bar	8500.A	50 ms	8500 A	80 ms	8500 A	50 ms	8.04
-	N.	Pirce \$3	200 mm	THE	5.5 mm	0.5 bar	\$500 A	50 ms	3500 A	50 ma	3800 A	20 ma	904
2	N.	Pince \$X	200 mm	THEE	1.5 mm	5.5 bar	8510 A	50 ma		80 ma	A 0008	50 ms	804
30	1	Pirce 31	200 mm	THEE	1.5 mm	0.000	8500 A	50 ma	6500 A	50 ms	8800 A	50 ma	904
	1	Pirce S.C.	200 mm	THE	1.5 mm	0.008	3500 A	50 ma 50 ma	100-0 A	50 ma	8500 A	50 ma	204
21	1	Pirce S.C	200 mm	THE	15mm	0.008	8500 A	50 ms	5500 A 8500 A	50 ms	8500 A	50 ms	9.04
3	1	Pirce 5.0	200 mm	THE	1.5 mm	0.002	STOCA STOCA	50 ms	1000 A	50 ms	8500 A	50 ms	805
-20	1	Parce 5.7	200 mm	THE	1.5.mm	0.008	8500 A	to ma	8500 A	00 MS	A 0026	50 ms	805
22	1	Pirce SX	200 mm		1.5 mm	0.00ar	8500 A	50 mil.	8500 A	80 ma	8800 A	50 ms	805
-	-	Piece 34	200 mm	THUE	1.5.mm	0.0 ber	3500 A	50 ma	1200	80 ma	8500 A	50 ms	905
-		Pirce SX	200 mm	THE	1.5.000	3.5 bar	8500 A	50 ma	5500 A	80 ms	8500 A	50 ms	2.40
33	1	Pirce 53	200 mm	THE	1.5 mm	0.00#	8510 A	50 ms	2242	50 ms	8500 A	50 ms	9.05
-	-	Pirce 5.0	220 mm	THE	1.5 mm	0.004	8500 A	50 ms	1000 A	50 ms	8200 A	50 ms	905

#### Technical characteristics :

Mains supply	400V	Converter frequency	1000Hz
Fuses	32A	ELCB	30mA
Max weld regulated current (RMS)	13200A	Dimensions (without hanger)	670x850x1200
Max weld current at electrodes (RMS)	14000A	Weight	180kg

#### After sales service :

- 1 year full warranty, with possible extension to 3 years under maintenance contract.
- Hotline monday to friday 7h30 - 17h00 on +33 (0) 2 43 44 72 00.

SOUDAGE ROBOTISE SOUDAGE MANUEL SOLUTIONS STATIONNAIRES ACTIVITE CARROSSERIE SOUDAGE LASER ARO CONTROLS SYSTEMES ARO SOUS-ENSEMBLES ET COMPOSANTS

ARO Welding Technologies SAS 1, Avenue de Tours - BP 40161, 72500 Château du Loir, FRANCE T +33 (0)2 43 44 74 00 F +33 (0)2 43 44 74 01

The information contained within this brochure is deemed to be correct at the time of going to press. Due to the policy of continued improvement, we reserve the right to change any specification without prior notice. ERRORS & OMISSIONS EXCEPTED.



#### www.arotechnologies.com