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3 Mig Torches

Internal Consumables Box



Electrode Holder



2x Pressure regulator



3x 4 rolls wire feeder



TIG Torch



Ground cable



3.3" LCD Display



CHARACTERISTICS

GB Single-phase welding units on wheels, microprocessor-controlled, suitable for **MIG/MAG (manual, synergic or pulsed), TIG-DC (manual or pulsed) and electrode welding.**

A **3,3" display** shows all the welding parameters, and makes the adjustment very easy and intuitive. Ideal for applications in welding carpentries and body workshops and specifically for the welding of stainless steel, aluminium and zinc-coated steels. Ideal for the use with five welding torches (not at the same time), two gas cylinders (Ar/Co2 and Ar, Ø170mm max for standard bracket. On request available with bracket for 2 larger Gas cylinders Ø 210mm or Ø 260mm) and three wire spools (Fe/CrNi, Al and CuSi) enabling then a simple and fast use. In synergic MIG/MAG welding, the microprocessor allows an easy adjustment and an optimal arc stability and welding quality. These generators are equipped with a user-friendly control panel. Easy torch selection with trigger pressure.

MIG-MAG features: Manual or pulsed welding (for Aluminium, CuSi, Steel or Stainless Steel); pre-set synergic curves (parameters). In pulsed welding it guarantees optimum performances on small thicknesses and on alluminium. You can save your custom welding settings; 2T/4T, spot function selection; pre-post gas adjustment; electronic inductance, soft start, b.b.t.(burn back time).

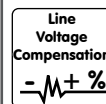
TIG DC features: Lift arc; continuous or pulsed welding; 2T/4T selection; Up/down slope adjustment; frequency and current levels in TIG pulsed welding; final current.

Electrode features: antisticking; adjustable hot start and arc force..

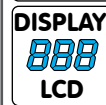
TP 230



Singlephase



Line voltage compensation



display lcd 3.3"

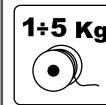


Fan on demand

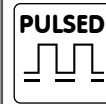


Electronic control

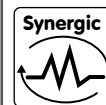
MIG/MAG



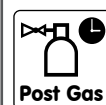
3 wires spool 5kg



Mig Pulsed for aluminium, Cu-Si, Steel, Stainless Steel

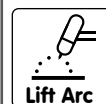


Synergic regulation



Post Gas

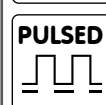
TIG



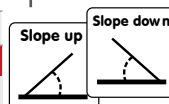
Tig Lift Arc



Post Gas



Pulsed Tig for aluminium

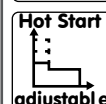


Slope up - slope down adjustment

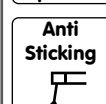
MMA/STICK



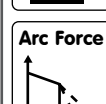
Voltage Reduction Device



Hot Start adjustment



Anti sticking

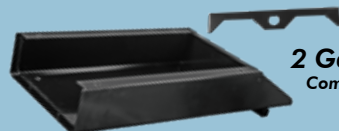


Arc force control

Gas cylinder bracket configuration



Version 1: single body



2 Gas cylinder Ø170mm
Complete welder Kit code 99820020K

Version 2: two separate body for accessories storage compartment and cylinder bracket



2 Gas cylinder Ø210mm
Complete welder Kit code 99820026K

2 Gas cylinder Ø260mm
Complete welder Kit code 99820013K

TP 230

		230V 50/60Hz		
		6		
		MMA	TIG	MIG
Power 30%	(1 ph)			
	KVA			
Uo	V	80	80	13 ÷ 35
Amp. Min - Max	A	5 ÷ 200	5 ÷ 200	20 ÷ 200
Amp. 60974-1	A	35% 200 100% 130	35% 200 100% 130	35% 200 100% 150
Amp Peak	A	-	-	400
Aluminium	Ø mm	-	-	0,8 ÷ 1,2
Steel	Ø mm	-	-	0,6 ÷ 1,2
Flux core	Ø mm	-	-	0,8 ÷ 1,0
Stainless Steel	Ø mm	-	-	0,8 ÷ 1,0
Brazing	Ø mm	-	-	0,8 ÷ 1,0
Ø E	Ø mm	1,6 ÷ 4	-	-
Insulation	-	H		
Protec. Degree	-	IP22		
	mm (LxWxH)	500x280x420		
	mm (LxWxH)	565x320x400		
	kg	70		
kit Code Ø 170	N°	99820020K		
kit Code Ø 210	N°	99820026K		
kit Code Ø 260	N°	99820013K		

CONTROL PANEL

1 Mode Key

- welding process selection
- return to the main screen after parameters setting

2 Graphic Display

3 Setup Key

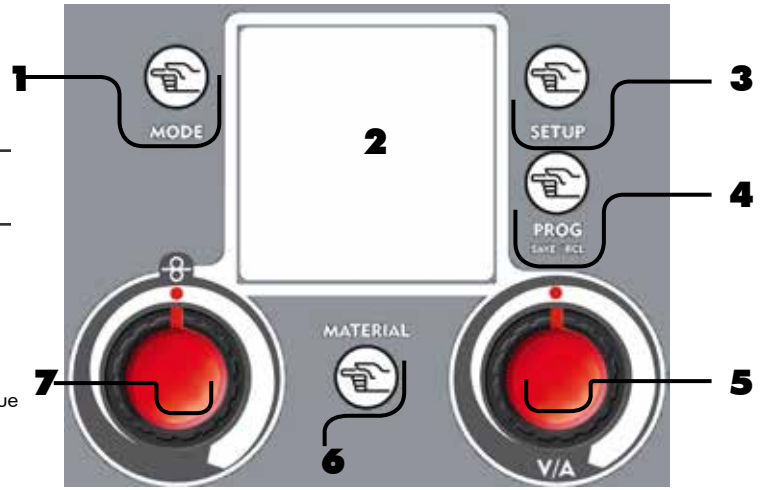
setting of the secondary parameters in all welding processes

3.1 Tig Function

2stroke/4stroke, Slope Up (0-10 sec), Slope Down (0-20 sec), crater Filler value in 4stroke function only, Post Gas Time 0-5 sec

3.2 Mig/Mag Function

Synergy: OFF /ON/PULSED, 2Stroke/4Stroke/Spot welding, Spot Time, Motor Slope, BBT, Electronic Inductance, Post Gas, Crater Filler



4 Prog save & recall Key

saves and recalls the functioning points that may be changed by the operator

5 Right Regulation Knob (Volts / Amps)

Main Regulation Knob

6 Material Key

submenus selection key

6.1 TIG

- NORMAL
- PULSED:
 - Pulsation Frequency
 - δ (Ton)
 - I Max (peak current)
 - I Min (base current)

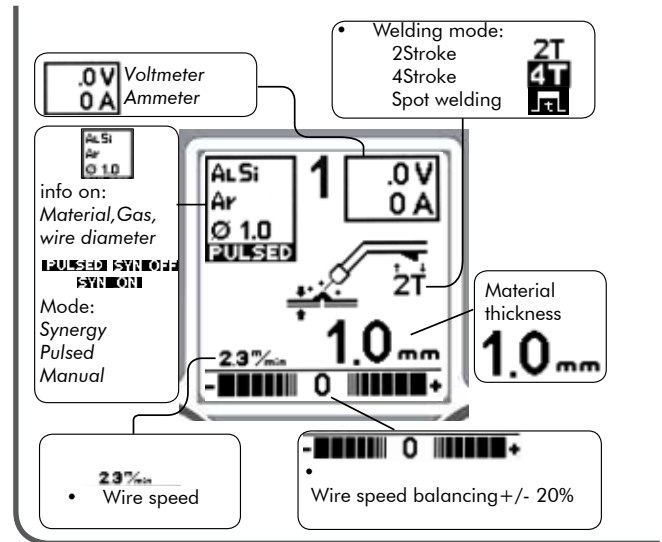
6.2 MIG/MAG

6.2.1 Manual Mig/Mag (synergy OFF)

Adjustment of the electronic inductance value

6.2.2 Synergic Mig/Mag/ Synergic Pulsed

Screen access for the synergic program selection



7 Left Regulation Knob

7.1 MMA/STICK

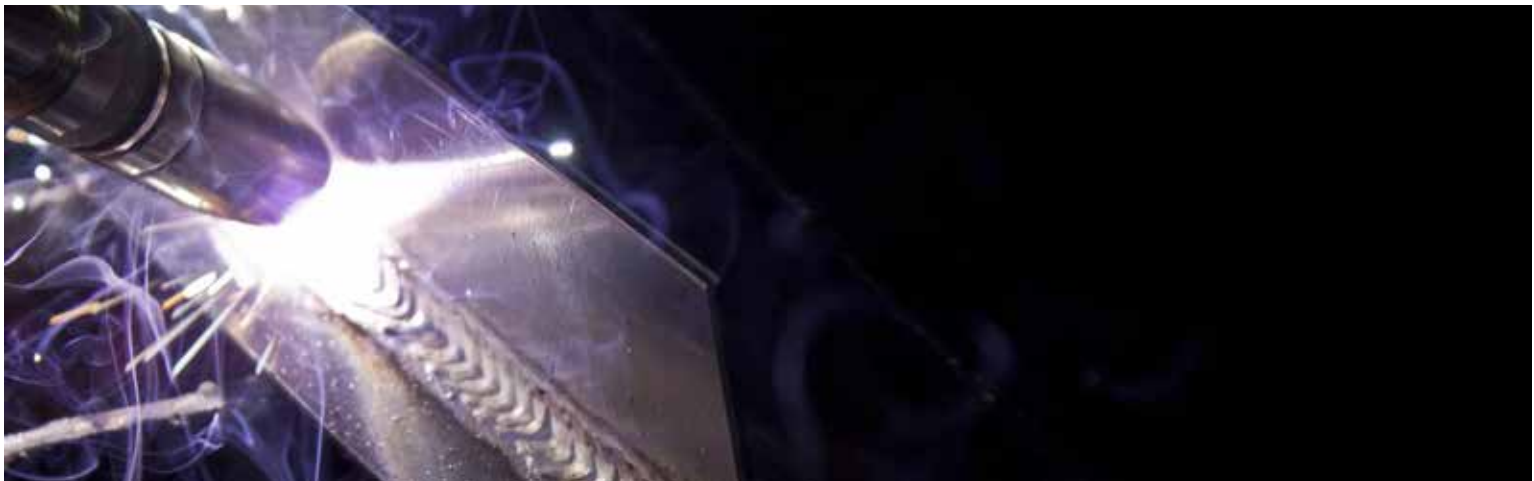
- HOT START

7.2 TIG












- Slope Down (Tig)
- Pulsation Frequency (Pulsed Tig)


7.3 MIG/MAG

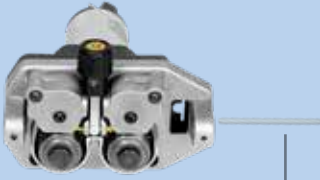
- Wire speed (Mig manual)
- Balance (Synergic and pulsed Mig)





ACCESSORIES AND CONSUMABLES

		TORCH NECK	CONTACT TIP (Lots of 10 pieces)	GAS NOZZLE (Lots of 10 pieces)	SPOT WELDING NOZZLE (Lots of 5 pieces)	GAS DIFFUSER (Lots of 10 pieces)	TIP HOLDER	WIRE LINER	
FOR ALUMINIUM	3	 cod. 23005102	 23005018 Ø 0,6 mm 23005019 Ø 0,8 mm 23005020 Ø 1,0 mm 23005029 Ø 1,2 mm	 23005117 Ø 9,5 mm 23005021 Ø 12 mm	 23005022	 23005092	-	blue 23005024 red 23005041	STEEL WIRE Ø 0,6-0,9 mm 3m Ø 1,0-1,2 mm 3m
								blue 23005023 red 23005035	TEFLON Ø 0,6-0,9mm 3,3m Ø 1,0-1,2 mm 3,3m
FOR ALUMINIUM	3	 cod.23005114	 CU DSC 23005442 Ø 0,8 mm 23005443 Ø 1,0 mm 23005447 Ø 1,2 mm	 23005036 Ø 15 mm	 23005037	 23005444	 COPPER LINER 23005490	blue 23005024 red 23005041	STEEL WIRE Ø 0,6-0,9 mm 3m Ø 1,0-1,2 mm 3m
								grey 23005490 + terminale	GRAFITE Ø 1,0-1,2 mm 3,5m


	Vision 2000	21905053	9 to 13 DIN , 2 sensors - Gray
	Vision 2000i	21905058	9 to 13 DIN , 2 sensors, internal regulation - Black
	Vision 4000 Adjustable face shield with electro-optical filter	21905054	9 to 13 DIN , 4 sensors - Carbon look

	Metallic wire feeder	D 44410059	Ø 40mm - Rolls Ø 30	Orange
		44410060	Ø 40mm - Rolls Ø 30 AL	Blu
		44410061	Ø 40mm - Rolls Ø 30	Green

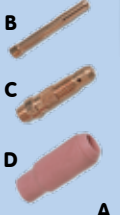
	Brass inlet wire tube	23005469	for wire feeder 44110061	Green
		23005457	for wire feeder 44110059	Orange

 Lots of 5 pieces	Wire feed rolls	33805003	0,6-0,8mm Rolls Ø 30 FE	
		33805101	0,8-1,0mm Rolls Ø 30 FE	
		33805104	0,8-1,0mm Rolls Ø 30 AL	
		33805105	1,2-1,6mm Rolls Ø 30 AL	

	Pressure regulator	Co2 2/Man.	22905067	
		Argon 2/Man.	22905077	

 D. 200mm	Copper coated steel wire (SG2)	21910003	Ø 0,6 Kg 5
		21910004	Ø 0,8 Kg 5
		21910005	Ø 1,0 Kg 5
	SG3	21910090	Ø 0,8 Kg 5
	AlMg5 (5356)	21910082	Ø 0,8 Kg 2
		21910086	Ø 1,0 Kg 2
	AlSi5 (4043)	21910081	Ø 0,8 Kg 2
		21910085	Ø 1,0 Kg 2
	CuSi (3)	21910075	Ø 0,8 Kg 2
		21910087	Ø 0,8 Kg 5

	TORCHES TIG with gas valve,	23020160	ErgoTig 17 m 4 Dinse 25/50 mm ²
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	Cerium Tungsten Electrode (Grey)	A 23025006	Ø 1,6 A : Lots of 10 pieces
	Tig Collet	B 23025004	Ø 1,6 B - C : Lots of 3 pieces
	Tig Collet Body	C 23025005	Ø 1,6 D : Lots of 5 pieces
	Ceramic Nozzle	D 23025008	GR.6 Ø 9,8mm