

MIGA Series

Inverter technology power sources controlled by microprocessor for **MIG/MAG, NO-GAS** wire, **MMA** and **TIG DC** welding.

WE01.1

design: www.ramstudio.com

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	MIGA 215	MIGA 218	MIGA 220	MIGA 225 XL								
Welding current range												
MIG / NO GAS	10 - 150A	10 - 180A	10 - 200A	10 - 200A								
MMA	10 - 130A	10 - 150A	10 - 160A	10 - 160A								
TIG	10 - 150A	10 - 180A	10 - 200A	10 - 200A								
Duty cycle 40°C - EN 60974-1												
MIG / NO GAS	110A - 25%	140A - 25%	180A - 25%	180A - 25%								
	70A - 60%	90A - 60%	120A - 60%	120A - 60%								
MMA	100A - 25%	120A - 25%	150A - 25%	150A - 25%								
	60A - 60%	80A - 60%	100A - 60%	100A - 60%								
TIG	110A - 25%	140A - 25%	180A - 25%	180A - 25%								
	70A - 60%	90A - 60%	120A - 60%	120A - 60%								
Open circuit voltage	80V	80V	80V	80V								
Ø Wire spool	100 - 200 mm	100 - 200 mm	100 - 200 mm	200 - 300 mm								
Wire MIG MAN/SYN												
Steel	Ø 0,6 - 0,8 - 0,9 mm	Ø 0,6 - 0,8 - 0,9 mm	Ø 0,6 - 0,8 - 0,9 - 1,0 mm	Ø 0,6 - 0,8 - 0,9 - 1,0 mm								
Inox	Ø 0,8 mm	Ø 0,8 mm	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 mm								
Al.Mg	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 - 1,2 mm	Ø 0,8 - 1,0 - 1,2 mm								
Al.Si	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 - 1,2 mm	Ø 0,8 - 1,0 - 1,2 mm								
Cu.Si 3	Ø 0,8 mm	Ø 0,8 mm	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 mm								
Cu.Al 8	Ø 0,8 mm	Ø 0,8 mm	Ø 0,8 - 1,0 mm	Ø 0,8 - 1,0 mm								
Flux cored	Ø 0,8 - 0,9 - 1,0 mm	Ø 0,8 - 0,9 - 1,0 - 1,2 mm	Ø 0,8 - 0,9 - 1,0 - 1,2 mm	Ø 0,8 - 0,9 - 1,0 - 1,2 mm								
Electrodes MMA												
Rutile	Ø 1,6 - 3,2 mm	Ø 1,6 - 3,2 mm	Ø 1,6 - 4,0 mm	Ø 1,6 - 4,0 mm								
Basic	Ø 2,0 - 2,5 mm	Ø 2,0 - 3,2 mm	Ø 2,0 - 4,0 mm	Ø 2,0 - 4,0 mm								
Electrodes TIG												
TIG torch electrode	Ø 0,5 - 1,6 mm	Ø 0,5 - 2,4 mm	Ø 0,5 - 2,4 mm	Ø 0,5 - 2,4 mm								
Input voltage	1 ph - 230V - 50/60 Hz											
Installation power	2,5 kW	3,5 kW	5 kW	5 kW								
Fuse	16A	16A	20A	20A								
Wire feeder	2 rollers	2 rollers	2 rollers	2 rollers								
Dinse	25 mmq	25 mmq	25 mmq	25 mmq								
Torch connection	Direct	Euro	Euro	Euro								
Weight ≈	9,7 kg	9,5 kg	10 kg	14,6 kg								
Dimensions	452 x 220 x 345 mm	452 x 220 x 345 mm	452 x 220 x 345 mm	555 x 276 x 425 mm								
Features												
	MIG/NO GAS	MMA	TIG	MIG/NO GAS	MMA	TIG	MIG/NO GAS	MMA	TIG	MIG/NO GAS	MMA	TIG
Synergic welding	•	-	-	•	-	-	•	-	-	•	-	-
Manual welding	-	•	-	-	•	-	-	•	-	-	•	-
Electronic inductor	Adjustable	-	-	Adjustable	-	-	Adjustable	-	-	Adjustable	-	-
Burn Back	•	-	-	•	-	-	•	-	-	•	-	-
Hot Start	•	•	-	•	•	-	•	•	-	•	•	-
Arc Force	-	Adjustable	-	-	Adjustable	-	-	Adjustable	-	-	Adjustable	-
Anti-sticking	-	•	•	-	•	•	-	•	•	-	•	•
Tig Lift (TIG torch with gas valve)	-	-	•	-	-	•	-	-	•	-	-	•
Slope Up	-	-	•	-	-	•	-	-	•	-	-	•
Slope Down	-	-	Adjustable	-	-	Regolabile	-	-	Adjustable	-	-	Adjustable
Thermostatic Protection	•			•			•			•		
Generator	+/- 30%			+/- 30%			+/- 30%			+/- 30%		
Version												
Power source + accessories	241800			241900			242000			242100		
Optionals												

MIGA 215-218 | MIGA 220-225 XL

000201 Kit MMA DS/16 | 000217 Kit MMA DS/20

MIGA 215-218 | 220-225 XL

010825 TIG Torch 140A 4m (order also adapter 010820)

010820 Adapter 25/50 mm²

010823 Trolley CRMI

www.decaweld.com



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MIGA Series

4 WELDING PROCESSES

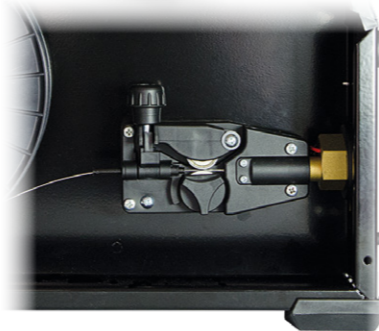
- **synergic MIG / MAG**
basic welding programs for carbon steel, stainless steel, aluminium, MIG brazing with special copper-silicon and copper-aluminium wires.
- **manual MIG/MAG**
manual adjustment of wire speed, arc voltage and electronic inductance.
- **MMA**
adjustment of welding current and ARC-FORCE for electrodes with difficult arc strike.
- **TIG DC**
Lift start to limit tungsten inclusions in the welded joint, adjustment of welding current and downslope, with crater filling of the weld end all metals can be welded, except aluminium.

External polarity change

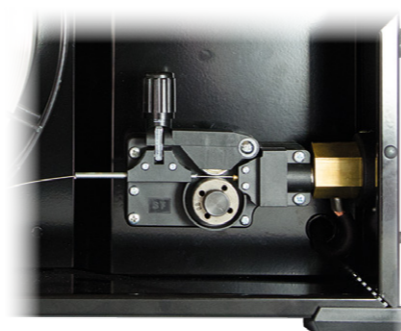
it allows the change to welding with NO-GAS wire very quickly.



Do it yourself
Automotive
Light carpentry
Maintenance



Wire feeder MIGA 215 - 218 - 220

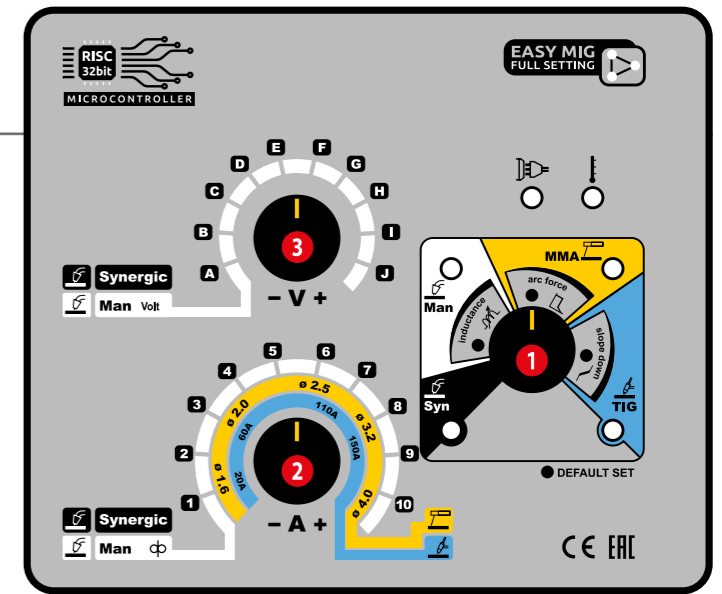


Wire feeder MIGA 225XL

Easy to use
all adjustments are made in a simple way by the combined use of three potentiometers.

- 1 **Select the Process**
- 2 **Adjust the current**
- 3 **Adjust the current**

If you weld with wire, adjust the arc voltage



Supplied accessories

MIGA 215



MIG torch 110A 2m (010821)



Cable with earth clamp



Wire guide roller D.25 Ø 0,9 Flux Ø 0,6 Fe



Gas Hose

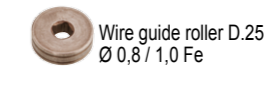
MIGA 218 - 220



MIG torch 180A 3m (010822)



Cable with earth clamp



Wire guide roller D.25 Ø 0,8 / 1,0 Fe



Gas Hose

MIGA 225 XL



MIG torch 180A 3m (010822)



Cable with earth clamp



Wire guide roller D.30 Ø 0,6 / 0,8 Fe



Gas Hose

Supplied accessories	Optional	MIGA 215	MIGA 218	MIGA 220	MIGA 225 XL
Rollers	Flux Ø 0,9 / Fe Ø 0,6 mm	011250	011250	011250	-
	Fe Ø 0,8 / 1,0 mm	011251	011251	011251	-
	Al Ø 0,8 / 1,0 mm	011252	011252	011252	011216
	Al Ø 1,0 / 1,2 mm	-	-	-	011217
	Fe Ø 0,6 / 0,8 mm	-	-	-	011214
	Fe Ø 1,0 / 1,2 mm	-	-	-	011215
	Flux Ø 0,9 / 1,0	-	-	-	011218
Liner	Flux Ø 1,0 / 1,2	-	-	-	011219
	Fe-Flux Ø 0,6 / 1,0 3m	010241	-	-	-
	Fe Ø 0,6 / 0,9 4m	-	010743	010743	010743
Flux cored spool 200 g.	Fe Ø 1,0 / 1,2 4m	-	010744	010744	010744
	Al Ø 0,8 / 1,0 3m	010370	010746	010746	010746

For Gas nozzle and Contact tip: MIGA 215
MIGA 218-220-225XL

Catalog WE01 pagg. 104 e 106 MIG Torch 160A
Catalog WE01 pagg. 104 e 106 MIG Torch 180A