

# MicroMag 302 MFK



MicroMag 302 MFK Welder is a compact, synergic, 3 Phase and robust designed Inverter for MIG/MAG Synergic, Pulse Synergic and Double Pulse Synergic, MMA and Lift TIG Arc Welding. It is the best option on the market for small and medium workshops, ideal for table welding and car body repair. Easy to transport, only 22kg, it is the best option for maintenance and repair on field, shipyard and off-shore operations. It is designed for welders at all levels and it is an ideal machine for colleges and welding schools

## 302 MFK: Applications

- Thanks to its dimensions and the ratio weight/ power duty/ cycle 302, MFK is the best option on the market, for small and medium workshops, ideal for table welding and car body repair.
- Easy to transport, only 22 kg, it is the best option for maintenance and repair on field, shipyard and off-shore operations.
- MicroMag 302 MFK is designed for welders at all levels and it is ideal machine for colleges and welding schools.

## 302 MFK: Wire Feeder

- Solid metallic 4 rolls motor drive-system for any type of wire.
- Wire diameters from 0,6 to 1,2mm.
- Wire speed from 2 to 20 meters per minute.
- Wire spools till 300 mm /15 kg.

## Remote Controls

- Connector with insulated pins for remote control of welding parameters.
- Torches with potentiometers and up/down switches can be used as well

## Integrated phases control

- Net's phases detector led.



## HAC (Hybrid Arc Control) Flawless Welding Arc

- Soft and very stable welding arc.
- Low heat input both in Short and Spray Arc.
- Small Globular arc range. Welding is always perfect.
- Low spattering even with a high level of CO<sub>2</sub> mixed gas
- Quality of weld beams is just like the one you have in pulsed welding.
- Inductance and start/finish parameters are optimized in the synergic setting.
- Recommended for special applications like welding on Laser cut sheets without reworking, fillet welds on thin sheets with small deformations, and low residual stress. Accurate when you need to weld plates with relevant gaps...
















## Digital Intelligence Inside

- Power source functions self-check in real time.
- Synergic programs for many applications available.
- Customized welding parameters.
- Welding operations can be replicated in time.
- A top quality instrument in certified welding procedures.



## Digital Inductance

- Allows you to optimize arc dynamic in any welding condition.
- Step-less regulation.
- Precise and complete synergic settings.

MicroMag 302 MFK	Technical data								
	3x400Vac ± 15% @ 50-60Hz								
	16A								
	MIG-MAG			TIG			MMA		
 0/40 °C	35%	60%	100%	50%	60%	100%	40%	60%	100%
 I <sub>2</sub>	300A	230A	200A	250A	240A	210A	250A	220A	190A
 0/RT	-	60%	100%	-	-	100%	-	-	100%
 I <sub>2</sub>	-	300A	250A	-	-	250A	-	-	250A
 I <sub>2</sub>	5A - 300A			5A - 250A			5A - 250A		
 U <sub>0</sub>	53V								
 P <sub>I MAX</sub>	10,3KVA -9,7KW								
 IP	23S								
	560 x 280 x 390mm								
	21,0Kg								



- This symbol highlights Weco's constant care for ecological issues and new technologies which have been introduced to reduce the environmental impact.
- MicroMag 302MFK introduce new technological solutions in order to reduce the harmonic current emissions according to the future International Standards, to increase even more the power inverter efficiency and to reduce the input current more than 20%.
- The same welding deposit is achieved with less electrical power, less total power and less CO<sub>2</sub> emission for the safety of Planet Earth.