



# MINARC M 223 AUTO SMALL BUT MIGHTY MIG



DESIGNED,  
BUILT AND  
TESTED IN  
FINLAND

Minarc M is a premium portable MIG/MAG machine for professionals, weekend craft welders and artisan welders. It is lightweight, has 220 amps of power, precise welding, and accurate ignition.



# EXCEED EXPECTATIONS

## Portable MIG welder

Minarc M is a single-phase 110V/240V MIG/MAG machine that delivers serious power in a compact, portable package. With two models weighing just 11 and 12 kg and up to 220A of output current, Minarc M offers one of the best power-to-weight ratios in its class. Digital control delivers a wide range of welding programs for high-quality outcomes, and the robust casing supports welders on the move. The large, easy-read display and clean controls keep setup simple, designed to get you welding fast. Plus, both models come as ready-to-weld packages, including power source, gas hose, drive rolls, shoulder strap, earth return, power cable, gun package and separate pistol grip.

## Pulse - Euro-connector - Cooler

Need a premium welding finish or extra torch cooling? Minarc M 223P steps up the process options with 48 welding programs including pulse specification, plus a Euro-connected welding torch, allowing the optional combination with Minarc Cooler and a liquid cooled torch, for extended welding durations.

Exceed expectations with Kemppi's  
Minarc M: The small but mighty MIG!



### Powerful but precise

The Minarc M gives you the freedom to take 220 Amps wherever you need to weld. The Minarc M 223P model offers the versatility and control of pulse welding.



### Light but tough

Weighing just 11 / 12 kg, the Minarc M is ready to go and offers one of the best power-to-weight ratios in its class. Despite its sleek looks, the robust casing and metal wire-feeder mechanism are built to endure and keep going.



### Simple but brilliant

Minarc M offers fast set-up, big controls for ease-of-use, and a large, clear digital screen and visual interface. True to Kemppi arc quality, MIG welding with the Minarc M is stable, precise and easy to control.

## MAIN FEATURES

- Powerful 220 Amps MIG/MAG PFC, 1-phase, 110V/120V and 220V/240V
- Professional welding quality – Digital arc control
- Extensive welding program menu for Fe, Ss, Al, CuSi, Flux cored & Gasless filler wires 0.6/0.8/0.9/1.0/1.2
- Euro-connector and pulse (M 223P models)
- Water cooler option Minarc Cooler 05
- 5 memory channels
- Color LCD graphical guidance display
- Wire inch, Gas purge, Hot start, Crater fill, Post Current features included
- Durable all metal wire drive chassis and twin groove drive roll
- Suitable for use with long power cables up to 100 m
- Strong, robust and lightweight
- Two cart options MST400 and T22M
- Ready to weld sales package
- Reliable Finnish quality



## MINARC M

Feature	M 223 AUTO GM	M 223 AUTO GM AU	M 223P AUTO GM	M 223P AUTO GM AU
Mains connection voltage 1~50/60 Hz	230...240 V ±10 %	230...240 V ±10 %	220...240 V ±10 %	220...240 V ±10 %
Mains connection voltage (MV low range)	110...120 V ±10 %	110...120 V ±10 %	110...120 V ±10 %	110...120 V ±10 %
Output at +40 °C, rated max current, MIG	220 Amps	220 Amps	220 Amps	220 Amps
Output at +40 °C, 60% MIG	160 Amps	160 Amps	160 Amps	160 Amps
Output at +40 °C, 100% MIG	140 Amps	140 Amps	140 Amps	140 Amps
Output at +40 °C, rated max current, MIG (@MV low range)	120 Amps	120 Amps	120 Amps	120 Amps
Operating temperature	-20 ... 40 °C	-20 ... 40 °C	-20 ... 40 °C	-20 ... 40 °C
Welding connection type (torch connection)	Built-in	Built-in	Euro connector	Euro connector
Filler wire diameter (max / min)	0.6 mm -1.2 mm	0.6 mm -1.2 mm	0.6 mm -1.2 mm	0.6 mm -1.2 mm
Dimensions (l x w x h)	460 × 221 × 365 mm	460 × 221 × 365 mm	460 × 221 × 365 mm	460 × 221 × 365 mm
Weight without accessories	12 kg	12 kg	10.85 kg	10.85 kg
Number of welding curves	33	33	48	48
Pulse welding	No	No	Yes	Yes
Product code	MIM223GM	MIM223GMAU	MIM223PGM	MIM223PGMAU

### ACCESSORIES

Flexlite torches  
MIC05 MINARC COOLER 05  
MST400 Trolley  
T22M Trolley

