



# MINARC T 223 DC THE SMALL BUT MIGHTY TIG



DESIGNED,  
BUILT AND  
TESTED IN  
FINLAND

MINARC T 223 DC TIG/MMA is the ideal multi-voltage solution for welders on the move. Weighing only 9.6 kg and producing 220A, MINARC T 223 DC is Small but Mighty.



# DESIGNED FOR WORKSHOP AND SITE

## Minarc T DC - Portable TIG Welder

If you work in a workshop or on-site, the Minarc T is the perfect welding power solution. It's compact and lightweight: small but mighty. Delivering 220 amps of DC TIG welding performance from a 240V, 1ph network, Minarc T 223 DC is a robust industrial welding machine, protected in a tough and stylish molded casing.

The multi-voltage Minarc T 223 DC features PFC technology for energy efficient operation and is ideal for use with long power cables. Arc ignition performance is precise and reliable, and standard functions include pre-and-post gas, slope time regulation, 4 memory channels and power adjustment from optional remote controls.

## Pulse Arc & Mini Log Control

Minarc T 223 DC MLP also features Pulse arc function, plus 'Mini Log' control which allows alternative preset power levels to be selected during welding from a standard torch trigger switch.

Delivery package options include power source, carry strap, earth return cable, gas hose and Flexlite TX welding torch options (4m/8m/16m).





### **Stylish. Stable. Simple.**

With a robust modern body, fast set-up and simple controls, the Minarc T 223 DC helps every welder deliver a smooth, stable arc in all conditions.



### **Power that's good to go**

Outputting 220 amps for only 9.6 kg, you can take the Minarc T 223 DC anywhere, confident it will get the job done.



### **Finnish quality that endures**

Every single Minarc is designed, engineered, built and tested in Finland by Kempfi – from the first power circuits to the casing.

## **MAIN FEATURES**

- DC TIG & MMA
- 220A power output
- 1ph 110V or 240V power connection
- Power efficient PFC technology
- Color LCD display
- HF and Lift ignition
- 4 Memory channels
- Pre & Post Gas timer
- Slope in/out timer
- Pulse option
- Remote control options
- Carry strap
- Weight 9.6 kg





## MINARC T 223 DC

Feature		Minarc T 223 DC GM / Minarc T 223 DC MLP GM	Minarc T 223 DC GM AU/ Minarc T 223 DC MLP GM AU (VRD locked ON)
Mains connection voltage 1~50/60 Hz		110...120 V ±10 % 220...240 V ±10 %	110...120 V ±10 % 230...240 V ±10 %
Output at +40 °C	20% [220 -240 V]	220 A (25%MMA 170 A)	220 A (25%MMA 170 A)
	20% [110 -120 V]	130 A (MMA 75 A)	130 A (MMA 75 A)
	60% [220 -240 V]	170 A (MMA 140 A)	170 A (MMA 140 A)
	60% [110 -120 V]	110 A (MMA 70 A)	110 A (MMA 70 A)
	100% [220 -240 V]	140 A (MMA 120 A)	140 A (MMA 120 A)
	100% [110 -120 V]	90 A (MMA 60 A)	90 A (MMA 60 A)
Output range, TIG welding current/voltage	[220 -240 V]	5 A/8 V...220 A/20 V	5 A/8 V...220 A/20 V
	[110 -120 V]	5 A/8 V...130 A/16 V	5 A/8 V...130 A/16 V
Output range, MMA welding current/voltage	[220 -240 V]	15 A/15 V...170 A/34 V	15 A/15 V...170 A/34 V
	[110 -120 V]	15 A/15 V...75 A/31 V	15 A/15 V...75 A/31 V
Arc striking voltage		11 KV	11 KV
Operating temperature range		-20...+40 °C	-20...+40 °C
Storage temperature range		-40...+60 °C	-40...+60 °C
EMC class		A	A
Degree of protection		IP23	IP23
External dimensions	L x W x H	461 × 202 × 367 mm	461 × 202 × 367 mm
Weight without accessories		9.6 kg	9.6 kg
Standards		EN IEC 60974-1, -3, -10, IEC 61000-3-12	EN IEC 60974-1, -3, -10, IEC 61000-3-12
Product codes		MIT223DCGM MIT223DCMLPGM	MIT223DCGMAU MIT223DCMLPGMAU

### ACCESSORIES

Flexlite Torch Remotes  
R10 Remote  
FR41 Foot Pedal  
MST 400 Trolley

