Mobile Welder OC PLUS

Consistently high quality of the welded seams independently of the point of use –
The Mobile Welder OC Plus is the first portable orbital welding power source by Orbitalum Tools which can be used in mobile as well as stationary situations. The power source is based on the established Smart Welder Plus and convinces with its compact and rugged design.



The Mobile Welder OC Plus is the first portable orbital power welding source by Orbitalum Tools which has been developed specifically for tube installations. The Mobile Welder OC Plus allows the usual high and consistent quality of the orbital welding to be maintained even in work areas which are difficult to access.

Light and rugged construction

The light and rugged construction is equipped with state-of-the-art information and communications technology and is based on the strengths of our established Smart Welder Plus.

Intuitive and easy operation

Furthermore the Mobile Welder OC Plus convinces with its easy handling and with minimum training and instruction requirements.
The Mobile Welder OC Plus is based on the same software platform as our Smart Welder Plus. This allows immediate transition of trained personnel and furthermore makes seamless program exchange between the machines possible.

Cooling unit ORBICOOL MW

The Mobile Welder OC Plus is delivered together with the cooling unit ORBICOOL MW which is connected with just a few simple steps and thus can be used in mobile and stationary situations in manufacturing with the efficiency of liquid-cooled weld heads.
When using gas-cooled weld heads the cooling unit can be removed to reduce the weight of the machine and to increase mobility.

Manual TIG welding

The usage of a "Manual welding mode" is also possible in combination with a TIG manual torch thus extending the application possibilities in order to perform flexible tacking work and to easily produce manual welding connections with orbital weld heads at inaccessible parts -
one power source for all challenges in modern tube installation.



Mobile Welder OC PLUS
Front and rear view

ORBITALUM TOOLS GMBH Josef-Schüttler-Str. 17 78224 Singen Germany Phone +49 (0) 77 31 792 - 0 Fax +49 (0) 77 31 792 - 524 tools@orbitalum.com

Orbital welding power supply

Mobile Welder OC PLUS



Elegant and practical housing with carrier handle and shoulder strap.

Mobile Welder OC PLUS

ITEM	VERSION	CODE	MACHINE WEIGHT KG
Mobile Welder OC PLUS	1~ 110-230V 50/60Hz , 1-phase	**854 000 011**	21,00



The liquid cooling system keeps connected weld heads and heads constantly at the right temperature.



Hinged protective cover for display and control elements.



WELDING POWER SOURCE	MOBILE WELDER OC PLUS
CODE	**854 000 011**
TECHNICAL SPECIFICATIONS	
Control range	5 - 180 A
Welding current type	DC
Duty cycle	60% - 180 A 100% - 140 A
Supply voltage (Supply voltage > 160 V)	1~ 110-230 V 50/60 Hz
Weight	20.9 kg*
Dimensions (WxDxH)	273 x 546 x 513 mm (10.8 x 21.5 x 20.2 in)
IP standard	IP23S
Screen size	7 "
Touch	●
Soft keys	●
Rotary knob	●
Gas flow sensor	●
Cooling liquid sensor	●**
USB ports	2
LAN	●
Internal printer	Thermal
LIQUID COOLING UNIT	**ORBICOOL MW**
TECHNICAL SPECIFICATIONS	
Compatibility	Mobile Welder
Supply voltage	24 V DC
Weight*	5.5 kg
Dimensions (WxDxH)	273 x 539 x 149 mm (10.8 x 21.2 x 5.9 in)
IP standard	IP23S
Cooling type	Recirculation cooler
Max. pump pressure	7.5 bar
Max. feed rate	0.9 l/min
Tank volume	2.1 L
Flow sensor	●
Temperature sensor	●

SCOPE OF DELIVERY	MOBILE WELDER OC PLUS
ORBICOOL MW	●
Connection line MW-OCMW	●
Cooling liquid OCL-30 3.5 l/118.3 fl oz	●
Shoulder strap MW	●
Power cable DE	●
Hose connection set	●
Quick Start Guide	●
General safety instructions welding power sources	●
Calibration certificate	●
FURTHER FEATURES	**MOBILE WELDER OC PLUS**
Wide Range input power range	●
Cooling liquid and welding gas monitoring	●
Fully digital welding gas management	●
Auto programming	●
Welding data logging	●
Multi lingual	●
Metric and imperial measuring units	●
User levels	●
Access control	●
LAN/IoT/VNC Ready	●

Technical specifications are non-binding.
They do not constitute any assurance of properties.

* = Without tank capacity (2.1 L)

** = ORBICOOL MW



Interface
Orbital welding



Interface
Manual welding



Gas-cooled TIG manual torch
with 6 m hose package (optional)

Available upgrade options:

- Connectivity LAN/IoT/VNC (850 080 001)*

*Requires upgrade option software MW+.

Detailed information on our upgrade options can be found on our home page at

https://www.orbitalum.com/de/produkt/mobile-welder.html

Suitable accessories (optionally available):

- Gas-cooled TIG manual torch MW
- Connectivity upgrade LAN/IoT/VNC
- Bar code/QR code scanner
- ORBmax residual oxygen meter
- Double pressure reducer
- Ground cable
- USB WLAN stick