

KEMPPPI K5 WELDING EQUIPMENT

# MasterTig MLS 2300ACDC

MAKE DEMANDING WORK EASY



MLS™ CONTROL FOR THE FINEST TIG WELDING  
QUALITY

MasterTig MLS 2300ACDC offers TIG welding professionals the necessary control to meet their exact needs. Whatever the application, you can just enjoy the outstanding performance. MasterTig MLS 2300ACDC is a precise aluminum welding specialist that suits all welded materials. It can be used for manual welding as well as mechanised welding applications and its modular design allows you to build the package that best suits your needs. We also offer different control panel options (ACS/ACX) introducing numerous additional features that make welding easier and more efficient. Last but not least, this welder is compact and power cost efficient making it a perfect companion for your workshop.

# TECHNICAL SPECIFICATIONS

## MasterTig MLS 2300ACDC

Product code	MasterTig MLS 2300ACDC - 6162300 MasterTig MLS 3003ACDC - 6163003 MasterTig MLS 2300ACDC VRD AU - 6162300AU MasterTig MLS 3003ACDC VRD - 6163003VRD
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Fuse (delayed)	15 A
Minimum generator power	8.0kVA
Output (TIG) 40% ED	230 A/19.2 V
Output (TIG) 60% ED	200 A/18.0 V
Output (TIG) 100% ED	170 A/16.8 V
Output (MMA) 40% ED	180 A/27.2 V
Output (MMA) 60% ED	150 A/26.0 kVA
Output (MMA) 100% ED	120 A/24.8 V
Open circuit voltage	58 VDC
Stick electrode sizes	1.5...4.0 mm
Welding range (MMA)	10 A/20.5 V...180 A/27.2 V
Welding range (TIG)	3 A/10.0 V...230 A/19.2 V
Operating temperature range	-20...+40 °C
External dimensions LxWxH	430 × 180 × 390 mm
Weight (no accessories)	15 kg
Degree of protection	IP23C

## Mastercool 20

Product code	6162900
Connection voltage 1~ 50/60 Hz	230 V ±15 %
Rated power	50 W (100 %)
Operating temperature range	-20...+40 °C
External dimensions LxWxH	500 × 180 × 260 mm
Weight (no accessories)	8 kg
Degree of protection	IP23C
Cooler tank volume	approx. 3 l
Cooling power	1.0 kW

## KEY APPLICATIONS



MECHANICAL  
ENGINEERING



SHIPBUILDING



PROCESS PIPELINES

## KEY BENEFITS

## BENEFITS



### SIMPLY THE MOST

Versatile and advanced solution  
for TIG welding



### MODULAR DESIGN

For matching your exact needs

- TIG and Stick (MMA) process eg: DC-/DC+/AC/MIX TIG
- Power cost efficient
- Compact dimensions
- MasterCool options for high duty applications
- MicroTack for fast, low heat tack welding
- Stable arc ensures a smooth weld



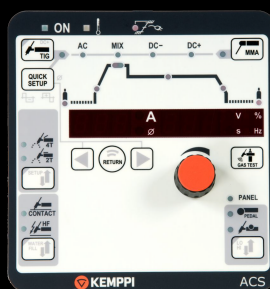
#### MasterTig MLS 2300ACDC

MasterTig 2300ACDC is a 230 A version with 1-phase 230 V power supply. This welder offers TIG welding professionals the necessary control to meet their exact needs.



#### Mastercool 20

An optional cooling unit for MasterTIG MLS 2300 and 3003 ACDC Unit performs 1 kW of cooling power with a three liter tank that can be filled with a 20 % – 40 % ethanol/water mixture, or any other suitable antifreeze agent.



#### Control panel ACS

ACS allows fast adjustment of base parameters including: pre/post gas time, AC arc frequency and slope time values. ACS provides all necessary controls for DC, AC and MIX TIG welding with either HF or contact ignition.



#### TTC torches

The TTC range is designed for use with specific Kemppi TIG machines and available in both gas-and water-cooled models.