

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.

KEY BENEFITS



SIMPLY THE MOST

Versatile and advanced solution for TIG welding



MODULAR DESIGN

For matching your exact needs

KEY APPLICATIONS



GENERAL MECHANICAL
ENGINEERING



SHIPBUILDING



PROCESS PIPELINES

BENEFITS



- 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

WHAT'S IN THE SYSTEM



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.

ALTERNATIVE EQUIPMENT AND SOFTWARE



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.



MasterTig MLS 2300ACDC VRD AU

MasterTig 2300ACDC is a 230 A version with 1-phase 230 V power supply. This welder comes with Voltage Reduction Device and mains plug is suitable for AU/ NZ markets and offers TIG welding professionals the necessary control to meet their exact needs.



MasterTig MLS 3003ACDC

MasterTig 3000ACDC is a 300 A version with 3-phase 230/460 V power supply. This welder offers TIG welding professionals the necessary control to meet their exact needs.



MasterTig MLS 3003ACDC VRD

MasterTig 3003ACDC is a 300 A version with 3-phase 230/460 V power supply. This welder is equipped with Voltage Reduction Device (VRD) and offers TIG welding professionals the necessary control to meet their exact needs.



Control panel ACX

ACX allows fast adjustment of base parameters including: pre/post gas time, AC arc frequency and slope time values, all necessary controls for DC, AC and MIX TIG welding with either HF or contact ignition and additional functions: MicroTack, memory channels and pulsed welding function.

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 \pm 15 %
Fuse (delayed)	15 A
Minimum generator power	8.0kVA
Output (TIG) 40% ED	230 A/19.2 kVA
Output (TIG) 60% ED	200 A/18.0 kVA
Output (TIG) 100% ED	170 A/16.8 kVA
Output (MMA) 40% ED	180 A/27.2 kVA
Output (MMA) 60% ED	150 A/26.0 kVA
Output (MMA) 100% ED	120 A/24.8 kVA
Open circuit voltage	58 VDC
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
Stick electrode sizes	1.5...4.0 mm
Weight (no accessories)	15 kg
External dimensions LxWxH	430 × 180 × 390 mm
Degree of protection	IP23C
Operating temperature range	-20...+40 °C

Mastercool 20

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