

## MasterTig™ AC/DC 3500W Technical details

### MasterTig AC/DC 3500W

Connection voltage	3~, 50/60 Hz	400 V (±10 %)
Rated power, maximum	TIG	11.7 kVA
	MMA	15.7 kVA
Fuse, delayed	400 V	20 A
Load capacity 40° C	60 % TIG AC	350 A/24 V
	100 % TIG AC	280 A/21.2 V
	60 % MMA DC	350 A/34 V
	100 % MMA DC	280 A/31.2 V
Welding range	TIG DC	3 A/10 V–350 A/24 V
	AC	10 A/10 V–350 A/24 V
	MMA	10 A/20 V–350 A/34 V
Open circuit voltage	AC, DC	70 V DC
Power ratio at maximum current		0.9
Efficiency at maximum current		0.80
External dimensions	L x W x H, mm	690 x 260 x 870
Weight	kg	74

See [www.kemppi.com](http://www.kemppi.com) for detailed technical specifications.

## MasterTig™ AC/DC 3500W Ordering codes

**MasterTig AC/DC 3500W** 6163505

### Control panels

ACDC basic panel	6162801
ACDC Minilog panel	6162802
ACDC Pulse panel	6162803
Torches	Kemppi TTK range
Earth return cable 50mm <sup>2</sup> x 5m	6184511

### Transport units

T120	6185252
T22	6185256

### Gun holder

GH 20	6256020
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### Remote control units

C 100C, 5 m	6185410
C 100D, 5 m	6185413
C 100AC, 10 m	6185417
C 100F, 5 m	6185405



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**MasterTig™**  
Powerful and dependable for  
**professional use.**



AC/DC 3500W

 **KEMPP**

 **KEMPP**  
The Joy of Welding

### Welding **power** and precise **control**



#### In brief

- Reliable arc ignition and functionality
- A wide selection of functions provides high-quality welds in all situations
- Automatic AC balance increases the quality and speed of welding
- Precise penetration control based on the AC frequency adjustment
- Electronic polarity and process selection
- System code lock feature



#### Applications

- Fabrication workshops
- Chemical and process industry
- Installation and set-up
- Repair and maintenance



| MasterTig™ ACDC |



| MasterTig™ ACDC Minilog |



| MasterTig™ ACDC Pulse |

#### There are three control panel options:

- the **ACDC Basic** control panel
- the **ACDC Minilog** panel containing special functions
- the **ACDC Pulse** panel equipped with the most diverse set of functions.

All necessary functions needed for TIG welding are included in the ACDC Basic control panel, including arc shape and AC balance control. In addition, the ACDC Minilog panel includes both M-LOG function and AC arc frequency control, whilst the ACDC Pulse panel combines all special functions, including full pulse control and memory channels. When activated, the control panel safety lock feature prevents unauthorized use of the device.

#### Integral cooling unit

The MasterTig AC/DC 3500W is equipped with an integral cooling unit, providing efficient cooling for liquid-cooled torches in high duty production welding environments.

#### Remote current control

Welding applications and environments vary so MasterTig AC/DC 3500W offers a series of optional remote controls. Simple, precise and convenient, the devices are available in either hand held or foot operated models, making distance current regulation simple.



| C100F |



| C100C |



| C100D |

#### TIG welding torches

Kemppi TTK welding torch range is designed for use with the MasterTig equipment. Model options include a variety lengths, torch head sizes and innovative design. Integrated comfort clips and standard ignition switches ensure that users have the choice of use and application straight from the box.

#### Precise control of welding current

The Kemppi MLS technology (multi logic system) used in MasterTig AC/DC enables precise process regulation and parameter control throughout the welding cycle, ensuring high quality welding performance weld after weld.



■ **The MasterTig AC/DC 3500W** is a three-phase TIG welding machine equipped with extensive control options and both AC and DC TIG welding functions. It can also be used as an efficient power source for MMA welding.