

MASTERTIG AC/DC



Welding Style, Power & Performance

The Mastertig AC/DC machine range features compact TIG/MMA inverters for AC/DC and DC welding. Proven and reliable electronic designs produce good arc ignition qualities and a stable welding character. Available with a choice of user interfaces, Mastertig AC/DC offers an unrivalled level of process control through clear functions and a large digital display. 'Code-Lock' feature comes as standard providing Mastertig AC/DC customers added security.

Mastertig AC/DC range includes air-cooled 250A and liquid-cooled 250A and 350A (250A machines are also multi-voltage 230/400/460V 3ph) machines. Mastertig AC/DC machines feature high duty cycles and excellent mobility providing the power to get the job done. All models include electronic polarity selection.

Kemppi MLS™ (Multi Logic System) technology is designed to provide choice and control. With three fascia control panel options, quick, accurate and easy parameter adjustments are possible throughout the welding process, delivering a completely new level of customer choice and productivity.

Benefits

- Flexibility
 - Panel options
- High productivity due to outstanding ACTIG characteristics and reliable ignition
- Improved quality and welding speed with electronic AC balance control
- Low power consumption
- Welds all materials

Main applications

- Installations and Outfitting
- Repair and Maintenance
- Chemical and Process industry
- Shipbuilding and Offshore

Process control with three optional operation panels

- Clever adjustments with display
- Sophisticated Automatic Balance
- Improved weld quality due to Minilog and Pulse
- Programmable



AC/DC PANEL

- Provides basic TIG and MMA welding functions and adjustments
- Balance
- Broken-arc welding



AC/DC MINILOG

- Basic functions for TIG and MMA welding
- Balance



AC/DC PULSE

- Basic functions
- Balance
- Minilog
- Pulse TIG

Technical Data

MasterTig AC/DC		2500/2500W	3500W
Mains voltage	1~50/60 Hz	-	-
	3~50/60 Hz	230 V / 400V / 460V ±10%	400 ±10%
Fuse, delayed	230V	20 A	-
	400V	16 A (460 V...16 A)	20 A
Load capacity 40 °C	TIG max % ED	250 A (70%)	350 A (60%)
	TIG 100% ED	220 A	280 A
Welding range	TIG DC	3...250 A	3...350 A
	AC	10...250 A	10...350 A
	MMA	10...250 A	10...350 A
External dimensions	L x W x H	690 x 260 x 550 mm (2500), 830 (2500W)	690 x 260 x 870 mm
Weight		39 kg (2500), 65 kg (2500W)	74 kg

Order Information

Power sources		Transport units	
Mastertig AC/DC 2500	6162500	T120	6185252
Mastertig AC/DC 2500W	6162505	T 22	6185256
Mastertig AC/DC 3500W	6163505	Gun holder	
Operation panels		GH 20	6256020
AC/DC panel	6162801	Remote control units	
AC/DC minilog panel	6162802	C 100C, 5 m	6185410
AC/DC pulse panel	6162803	C 100D, 5 m	6185413
Torches	Kemppi TTK, page 47	C 100AC, 10 m	6185417
Cables	Welding and earth cables subject to an enquiry.	C 100F, 5 m	6185405