

MasterTig MLS 2000/3000/4000

Some tools simply feel better to use than others



In brief

- DC TIG and MMA power output
- Compact size ensures effortless mobility
- Excellent ignition quality, even with long TIG torches
- Quick pulse function increases welding speed and quality
- Suitable for mains or power generator use



Applications

- Installation and set-up
- Repair and maintenance
- Thin sheet metal fabrication workshops
- Chemical and process industry

Key features

MasterTig MLS DC range has become an industry standard for many users, offering precise welding performance and lightweight, portable design.

A popular choice for welding professionals, options include 200, 300 and 400 amp power sources with 30% duty cycle at maximum output current.



MasterTig MLS options

Choose from four control panel options, allowing you to select exactly the parameter control that's right for your welding application.

MTL/MTX/MTM/MTZ control panel options contain basic and specialist functions required for quality DC TIG and MMA welding. Features can include: HF or contact ignition, pre-gas and post-gas control, torch switch latching 2T/4T, remote control and setup options, welding current upslope and downslope timer, MMA ignition pulse, MMA arc dynamics, pulse and synergic pulse TIG, spot timer, 4T log and memory channel function.



MTL



MTX



MTM



MTZ

Technical brief

	2000	3000	4000
Connection voltage	1~ 230 V	3~ 400 V	3~ 400 V
Fuse, delayed	3G2.5 (3.3m)/16 A	4G1.5 (5m)/10 A	4G1.5 (5m)/16 A
Output @ 30% duty cycle (40 °C)	200 A/18 V	300 A/22 V	400 A/26 V
Dimensions LxWxH (mm)	410 x 180 x 390	500 x 180 x 390	500 x 180 x 390
Weight (kg)	15	22	23

MasterTig MLS 2000/3000/4000

Technical specifications

MasterTig MLS™		2000	3000	4000
Connection voltage	50/60 Hz	1~, 230 V -10 % ... +10 %	3~, 400 V -15 % ... +20 %	3~, 400 V -15 % ... +20 %
Rated power at max current	TIG	6.5 kVA	8.4 kVA	13.8 kVA
	MMA	7.1 kVA	9.4 kVA	15 kVA
Connection cable	HO7RN-F	3G2.5 (3.3 m)	4G1.5 (5 m)	4 G2.5 (5 m)
Fuse, delayed		16 A	10 A	16 A
Load capacity 40° C	30 % ED TIG	200 A/18 V	300 A/22 V	400 A/26 V
	60 % ED TIG	150 A/16 V	230 A/19.2 V	320 A/22.8 V
	100 % ED TIG	130 A/15.2 V	200 A/18 V	270 A/20.8 V
	35 % ED MMA	160 A/26.4 V	-	-
	40 % ED MMA	-	250 A/30 V	350 A/34 V
	60 % ED MMA	140 A/25.6 V	205 A/28.2 V	285 A/31.4 V
	100 % ED MMA	120 A/24.8 V	160 A/26.4	220 A/28.8 V
Welding range	TIG	5 A/10 V–200 A/18 V	5 A/10 V–300 A/22 V	5 A/10 V–400 A/26 V
	MMA	10 A/20.5 V–160 A/26.4 V		
Open circuit voltage		80 V DC	80 V DC	80 V DC
Power factor at max current		0.75	0.95	0.95
Efficiency at maximum current		80 %	86 %	86 %
Stick electrode	ø mm	1.5...4.0	1.5...5.0	1.5...6.0
External dimensions	L x W x H, mm	410 x 180 x 390	500 x 180 x 390	500 x 180 x 390
Weight	kg	15	22	23

Cooling units		MasterCool 10
Connection voltage	50/60 Hz	400 V (-15...+20 %)
		230 V (-15...+10 %)
Cooling power	100 % ED	1.0 kW
Rated power	100 % ED	250 W
External dimensions	L x W x H, mm	500 x 180 x 260
Weight	kg	10



MasterTig MLS models can be equipped with optional MasterCool units. Shown here with T100 2-wheel transport unit.

MasterTig MLS 2000/3000/4000

Ordering information

Power Sources		Transport units		Adapters	
MasterTig 2000 MLS™	6112200	T 100	6185250	For air-cooled TTK torches	3148720
MasterTig 3000 MLS™	6114300	T130	6185222		
MasterTig 4000 MLS™	6114400	T200	6185258	For liquid-cooled TTK torches	3148720 + 3148710
Cooling units		Remote control units		Cables	
MasterCool 10	612235001	R 10, 5 m	6185409	Remote control cable, 10 m (R)	6185481
Control panels		R 10, 10 m	618540901	Earthing and welding cables when requested	
MTL	6116000	R 11F foot pedal	6185407		
MTX	6116005	R 11T, wireless	6185442		
MTM	6116010				
MTZ	6116015				



Remote controls



R11F



RTC 10



RTC 20

Remote controls		Order code
R11F		6185407
RTC 10	For TTC torches	6185477
RTC 20	For TTC torches	6185478