

MasterTig LT 250

TIG weld from any DC welding power source



MasterTig LT 250

A premium TIG welding solution that eliminates troublesome control and mains power cables



Energy efficient



Why buy

- 250 amps DC TIG/MMA @ 35% ED
- No mains voltage power cables or control cable
- Compact size and weight – 12.6kg
- Remote current control options
- HF or contact ignition
- Digital meter display
- Gas flow meter fitted as standard
- Pre- and post-gas control
- Slope control timers
- 2T and 4T latching
- Kemppi 2+ warranty

TIG equipment for construction and extreme site conditions

MasterTig LT 250 eliminates the need for traditional control and mains voltage power cables, removing related health and site safety risks, cable management and site maintenance issues. The air cooled electronic power source is ideal for challenging environments, including high ambient temperatures, humidity and sub-zero work site conditions. Powered from any DC welding power source that provides a minimum of 40 volts pole voltage, including welding generators, MMA and MIG/MAG sources, Mastertig LT 250 provides a most versatile DC TIG solution.

Precise ignition in both DC TIG and MMA process makes welding easy, reliably serving applications using extended torch lengths. The digital display provides clear reference for pre-set welding values and parameter setting is logical, easy and accurate. The rear panel mounted gas control meter allows localised shielding gas flow control and weighing only 12.6kg, MasterTig LT 250 is easy to carry to site using the standard fabric shoulder strap.



1. Integrated carry strap
2. Tough plexiglas cover
3. Simple and clear control panel
4. Remote control socket
5. TIG torch switch connector
6. (-) pole cable connector
7. TIG torch current and gas connector
8. (+) pole cable connector



1. ON/Off switch
2. Snap connector for shielding gas
3. Shielding gas flow meter
4. Connection from parent source



MasterTig LT 250 control panel: process selection for TIG and MMA, HF or Touch-Arc ignition, torch switch latching, and remote control selection. Current display, pre- and post-gas control, slope current timer.



R 10 hand remote offers convenient current control at a distance, for both TIG and MMA process.

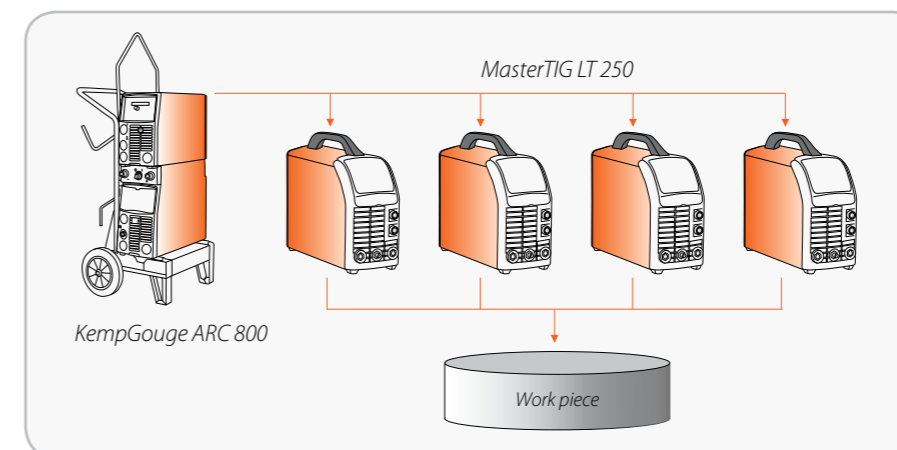


RTC 10 remote control integrates to TTC TIG torches for easy on-torch current regulation during welding.



R 11F remote foot control ensures precise current regulation where frequent and fine adjustment is required. Ideal for workshop use.

Multiple units from a single parent power source



Multiple MasterTig LT 250 units can be powered from a single welding power source. Kemppi's KempGouge ARC 800 is an ideal parent power source solution, providing enough power to run up to 4 LT 250 units at full power – and all units can weld simultaneously on the same work piece.

Technical specifications

| MasterTig LT 250 | | |
|--|-------------|-----------------------|
| Connection voltage range | DC | 40 – 100 V |
| Rated input power | | 8.6 kW/9.1 kVA |
| Supply current, I_{1max} | TIG | 155 A |
| | MMA | 230 A |
| Supply current, I_{1eff} | TIG | 90 A |
| | MMA | 135 A |
| Connection cable | | 35 mm ² |
| Output 40° C | TIG | 35 % ED 250 A/20 V |
| | TIG | 60 % ED 200 A/18 V |
| | TIG | 100 % ED 160 A/16.4 V |
| | MMA | 35 % ED 250 A/30 V |
| | MMA | 60 % ED 200 A/28 V |
| | MMA | 100 % ED 160 A/26.4 V |
| Welding range | TIG | 5 A/1 V – 250 A/35 V |
| | MMA | 10 A/1 V – 250 A/35 V |
| Open circuit voltage | | 90 V |
| Idle power | TIG | 8 W |
| | MMA | 21 W |
| Efficiency at 100 % ED | TIG | 80 % |
| | MMA | 86 % |
| Arc striking voltage | | 10 kV |
| MMA welding electrodes | | 1.6 – 5.0 mm |
| External dimensions | (L × W × H) | 460 × 180 × 390 mm |
| Weight | | 12.6 kg |
| Temperature class | | F |
| Degree of protection | | IP23S |
| EMC class | | A |
| Operating temperature range | | –20...+40 °C |
| Storage temperature range | | –40...+60 °C |
| Standards: IEC 60974-1:2012, IEC 60974-10:2007, IEC 60974-3:2007 | | |

Ordering information

| MasterTig LT 250 | 6115100 |
|---|-----------|
| Cables | |
| Welding cable, 35 mm ² , 5 m | 6184301 |
| Welding cable, 35 mm ² , 10 m | 6184302 |
| Earthing cable, 35 mm ² , 5 m | 6184311 |
| Earthing cable, 35 mm ² , 10 m | 6184312 |
| Extension cable, 35 mm ² , 5 m | 6183305 |
| Extension cable, 35 mm ² , 10 m | 6183310 |
| Torches | |
| TTC 160, 4 m | 627016004 |
| TTC 160, 8 m | 627016008 |
| TTC 220, 4 m | 627022004 |
| TTC 220, 8 m | 627022008 |
| Remote current control options | |
| RTC 10 | 6185477 |
| RTC 20 | 6185478 |
| R 10, 5 m | 6185409 |
| R 10, 10 m | 618540901 |
| R 11F | 6185407 |
| Gas flow gauge AR/clock | 6265136 |
| Shielding gas hose (4.5 m) | W001077 |
| Carrying strap | 9592160 |
| Optional parent power source for multiple operator use | |
| KempGouge ARC 800 | 6284000 |

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