

The image shows a close-up of the control panel of a MasterTig LT 250 welding torch. The panel is dark grey with orange accents. It features a digital display showing '250' in green, with 'A' and 's' indicators. Above the display is a red 'ON' button and a power symbol. Below the display are two orange square buttons with left and right arrow symbols, and a large orange circular knob. To the right of the knob are three small toggle switches. Below the control panel is a large black ventilation grille. To the right of the grille is a blue multi-pin connector with a black cable plugged into it.

MasterTig LT 250

TIG WELD FROM ANY DC WELDING POWER
SOURCE



TIG EQUIPMENT FOR CONSTRUCTION AND EXTREME SITE CONDITIONS

We present you a premium TIG welding solutions that eliminates troublesome control and mains power cables, also 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 subzero work site conditions. Powered from any DC welding power source that provides a minimum of 40 V pole voltage, including welding generators, Stick (MMA) and MIG/MAG sources, MasterTig LT 250 provides a most versatile DC TIG solution. Kemppi's [KempGouge](#) is an ideal parent power source solution providing enough power to run up to 4 LT 250 units at full power simultaneously.

Precise ignition in both DC TIG and Stick (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 localized shielding gas flow control and weighing only 12.6 kg, MasterTig LT 250 is easy to carry to site using the standard fabric shoulder strap.

KEY BENEFITS



CONVENIENT BUILD

Due to absence of mains voltage power cables or control cable



WIDE CONNECTIVITY

As LT250 can be powered from most DC welding power sources that provide a minimum of 40 V pole voltage



POWER OF MANY

As multiple MasterTig LT 250 units can be powered from a single welding power source

KEY APPLICATIONS



CONSTRUCTION



PROCESS PIPELINES

BENEFITS



- 250 amps DC TIG/MMA @ 35% ED
- 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

TECHNICAL SPECIFICATIONS

MasterTig LT 250

Product code	6115100
Connection voltage 1~ 50/60 Hz	40 - 100 V DC
Output (TIG) 35% ED	250 A/20 V
Output (TIG) 60% ED	200 A/18 V
Output (TIG) 100% ED	160 A/16.4 V
Output (MMA) 35% ED	250 A/30 V
Output (MMA) 60% ED	200 A/28 V
Output (MMA) 100% ED	160 A/26.4 V
Open circuit voltage	90 V
Welding range (MMA)	10 A/1 V - 250 A/35 V
Welding range (TIG)	5 A/1 V - 250 A/35 V
Stick electrode sizes	1.6...5.0 mm
Standards	IEC/EN 60974-1:2012, IEC/EN 60974-3:2007, IEC/EN 60974-10:2007
Weight (no accessories)	12.6 kg
External dimensions LxWxH	460 × 180 × 390 mm
Degree of protection	IP23S
Operating temperature range	-20 ... +40 °C