

# MinarcTig

REFINED TIG WELDING QUALITY FOR PRECISE APPLICATIONS





## MinarcTig



### REFINED TIG WELDING QUALITY FOR PRECISE APPLICATIONS

**MinarcTig 250 is the ideal DC TIG welding solution** for installation, repair and maintenance applications. The 250 amp model suits high-quality work and the lightweight and compact size is a real bonus for professionals on the move around the site.

**MinarcTig 250 is a dual-process machine**, providing an impressive DC TIG and MMA welding experience. In addition to the basic 250 machine, there is the 250MLP model, equipped with special features, such as Minilog and pulsed arc function. High 35 % duty cycle and lightweight combine real performance advantages, plus exceptional control in low current ignition means refined TIG welding quality for precise applications.



## KEY BENEFITS



### DUAL-PROCESS OPTION

Allows you to be more versatile



### SIMPLY EXCELLENT

Low current ignition



### COMPACT SIZE

Makes it easy to carry anywhere

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## BENEFITS

- Excellent low current ignition
- Clear parameter display
- Pre and post gas timer
- Slope in/out timer
- Torch switch latching
- Pulse welding option
- Suitable for mains or power generator use



## PRODUCT OPTIONS



### MinarcTig 250

MinarcTig 250 is a dual-process basic model providing an impressive DC TIG and Stick (MMA) welding experience. This model is compatible and available with Flexlite TX torch models TX 225G and TX165GF (4 & 8 m).



### MinarcTig 250 MLP

MinarcTig 250MLP is an advanced dual-process model equipped with special features such as Minilog and pulsed arc function. This model is compatible and available with Flexlite TX torch models TX 225G and TX 165GF (4 & 8 m).

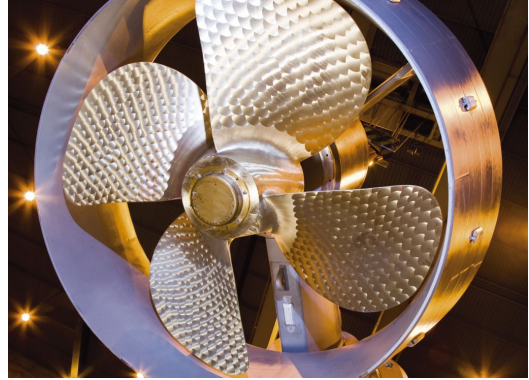


## FEATURES



### Easy quality welding

MinarcTig 250 is an ideal machine for thin sheet fabrication tasks. The low current ignition and stable arc make quality welding easy.



### Dependable and portable welding partner

MinarcTig can be used in the production and maintenance of many metal products.





## ACCESSORIES



Flexlite TX

The Flexlite TX torches are designed for use with Kempfi's TIG welding machines. The torch range includes several neck models, offering superb cooling performance and good access to challenging joint designs.



Welding cable 5 m 16 mm<sup>2</sup>



Welding cable 5 m 25 mm<sup>2</sup>



Welding cable 10 m 25 mm<sup>2</sup>



Earth return cable 5 m, 16 mm<sup>2</sup>



Earth return cable 25 mm<sup>2</sup>, 5 m



Earth return cable 25 mm<sup>2</sup>, 10 m



MST 400

Suitable for MinarcMig, MinarcMig Evo, MinarcTig, MinarcTig Evo, and Minarc 220.

The MST 400 is a 2-wheel transport unit that is recommended for smaller gas bottle sizes.



Carrying straps



### Remote control R10

Suitable for use with Kempfi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kempfi remote controls.



### Remote control R11F

Foot control pedal for Kempfi MasterTig MLS, MasterTig MLS ACDC and MinarcTig. Available in 5 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kempfi remote controls.



### Gas flow gauge AR/clock



### Shielding gas hose 4.5 m



### TXR10

Optional on-torch remote control with a roller-type current control switch. Available for water and gas-cooled Flexlite torch models.



### TXR20

Optional on-torch remote control with a rocker type current control switch. Available for water and gas-cooled Flexlite torch models.



## TECHNICAL SPECIFICATIONS

### MinarcTig 250

Product code	MinarcTig 250, TX 165GF 4M – P0607TX MinarcTig 250, TX 165GF 8M – P0608TX MinarcTig 250, TX 225G 4M – P0609TX MinarcTig 250, TX 225G 8M – P0610TX MinarcTig 250, TX 165GS 4M – P0625TX MinarcTig 250, TX 165GS 8M – P0626TX MinarcTig 250, TX 225GS 4M – P0632TX MinarcTig 250, TX 225GS 8M – P0633TX MinarcTig 250, TX 135GF 4M – P0636TX MinarcTig 250, TX 135GF 8M – P0637TX MinarcTig 250, TX 165GS 16M – P0668TX
Connection voltage 3~ 50/60 Hz	400 V (-20...+15 %)
Fuse (delayed)	10 A
Output (TIG) 30% ED	250 A/20.1 V
Output (TIG) 100% ED	160 A/16.4 V
Output (MMA) 35% ED	220 A/ 28.8 V
Output (MMA) 100% ED	150 A/26.0 V
Open circuit voltage	95 V (VRD 30 V)
Stick electrode sizes	1.5...5.0 mm
Welding range (MMA)	10 A/20.4 V - 220 A/28.8 V
Welding range (TIG)	5 A/10.2 V - 250 A/20.1 V
External dimensions LxWxH	400 × 180 × 340 mm
Weight (no accessories)	11 kg (without cables)
Degree of protection	IP23S
Operating temperature range	-20 ... +40 °C





## MinarcTig 250 MLP

Product code	MinarcTig 250MLP, TX 165GF 4M – P0611TX MinarcTig 250MLP, TX 165GF 8M – P0612TX MinarcTig 250MLP, TX 225G 4M – P0613TX MinarcTig 250MLP, TX 225G 8M – P0614TX MinarcTig 250MLP, TX 135GF 4M – P0615TX MinarcTig 250MLP, TX 135GF 8M – P0616TX MinarcTig 250MLP, TX 165GS 4M – P0617TX MinarcTig 250MLP, TX 165GS 8M – P0618TX MinarcTig 250MLP, TX 225GS 4M – P0634TX MinarcTig 250MLP, TX 225GS 8M – P0635TX MinarcTig 250MLP, TX 135GF 4M – P0636TX MinarcTig 250MLP, TX 135GF 8M – P0637TX MinarcTig 250MLP, TX 165GS 16M – P0669TX
Connection voltage 3~ 50/60 Hz	400 V -20...+15 %
Fuse (delayed)	10 A
Output (TIG) 30% ED	250 A/20.1 V
Output (TIG) 100% ED	160 A/16.4 V
Output (MMA) 35% ED	220 A/ 28.8 V
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## ACCESSORIES

### Welding cable 5 m 16 mm<sup>2</sup>

Product code	6184005
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### Welding cable 5 m 25 mm<sup>2</sup>

Product code	6184201
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### Welding cable 10 m 25 mm<sup>2</sup>

Product code	6184202
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### Earth return cable 5 m, 16 mm<sup>2</sup>

Product code	6184015
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### Earth return cable 25 mm<sup>2</sup>, 5 m

Product code	6184211
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### Earth return cable 25 mm<sup>2</sup>, 10 m

Product code	6184212
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### MST 400

Product code	6185294
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### Carrying straps

Product code	9592162
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### Remote control R10

Product code	R10, 5 m - 6185409 R10, 10 m - 618540901
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### Remote control R11F

Product code	6185407
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### Gas flow gauge AR/clock

Product code	6265136
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### Shielding gas hose 4.5 m

Product code	W001077
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### TXR10

Description	remote control
Product code	TXR10W / TXR10G

### TXR20

Description	remote control
Product code	TXR20W / TXR20G

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**Kemppi** is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

