KEMPPI
The Joy of Welding

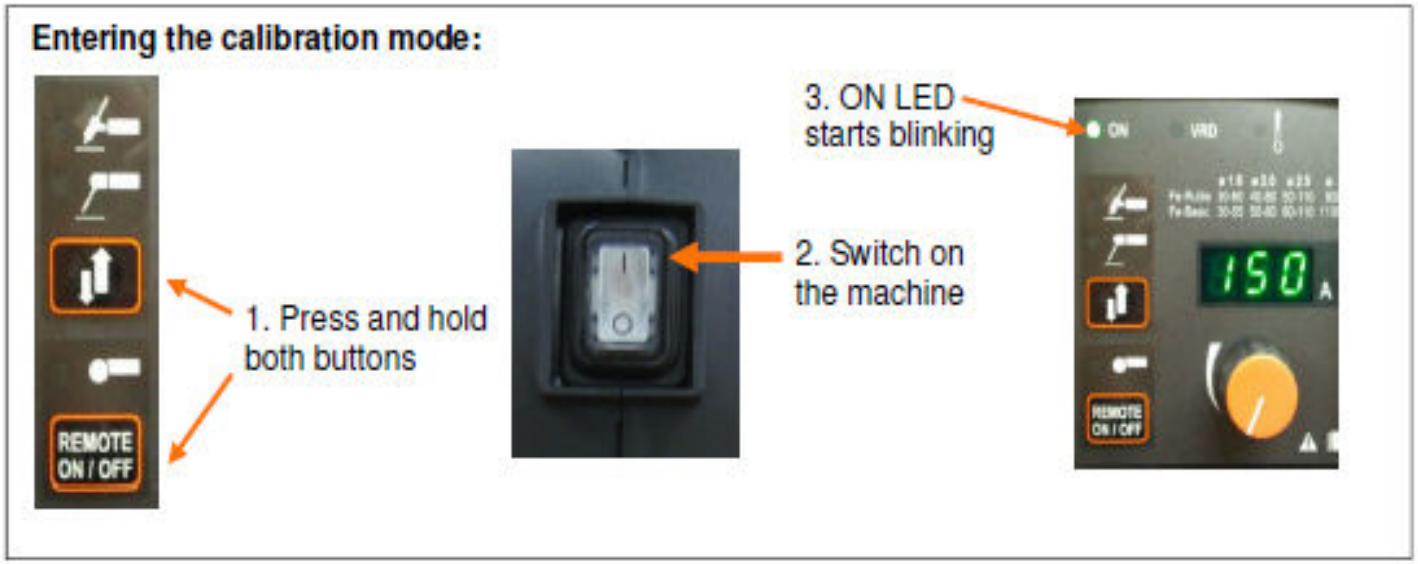
Minarc Evo 150/ 150 VRD

Calibration

Energy efficient

Entering into the calibration mode

Connect machine into load bank or use 4 - 10 m welding cable as a load. Connect the cable between the output dix connectors; ensure machine is switched off. Longer the cable more accurate the calibration. To measure the current use digital DC-clamp meter.



In the calibration mode ON-led blinks 0,9 s OFF and 0,1 s ON

Machine output current calibration

Current minimum setting (10 A)

Set the potentiometer to minimum (and if using LVR load bank set load to 25 A). When entering into the calibration mode it always starts in this parameter.

Adjust current with  and  buttons to 10A as close as possible (rather under 10A than over). Check the value in multimeter.

Current maximum setting (150A)

Move to this parameter by pressing and holding button  and then pressing button  .

Set the potentiometer to maximum (and if using LVR load bank set load to 150A). Adjust current with  and  buttons to 10A as close as possible (rather over 150A than under). Check the value in multimeter.

Current display calibration

Display current minimum setting (10A)

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button ↑↓ .

Set the potentiometer to minimum (and if using LVR load bank set load to 25 A).

Adjust display with REMOTE ON / OFF and ↑↓ buttons to 10A

Display current maximum setting (150A)

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button ↑↓ .

Set the potentiometer to maximum (and if using LVR load bank set load to 150A).

Adjust display with REMOTE ON / OFF and ↑↓ buttons to 150A

Switch off the machine and disconnect the load and/or cable!

Remote controller calibration

Enter to calibration mode and connect remote controller into machine.

Remote controller minimum setting (10A)

Set the remote control to minimum

5. Remote controller offset min (10A)

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button ⇅ four times.

Set the remote control to minimum

Search the point where display changes from 11 to 10 with buttons REMOTE ON / OFF and ⇅ . Once the point is found press the button REMOTE ON / OFF three times.

Remote controller MMA maximum setting (140A)

6. Remote controller MMA multiplier (140A)

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button ⇅ .

Set the remote control to maximum.

Search the point where display changes from 139 to 140 with buttons REMOTE ON / OFF and ⇅ . Once the point is found press the button ⇅ three times.

Remote controller calibration

Remote controller TIG maximum setting (150A)

7. Remote controller TIG multiplier (150A) (all LEDs on)

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button ↑↓ .

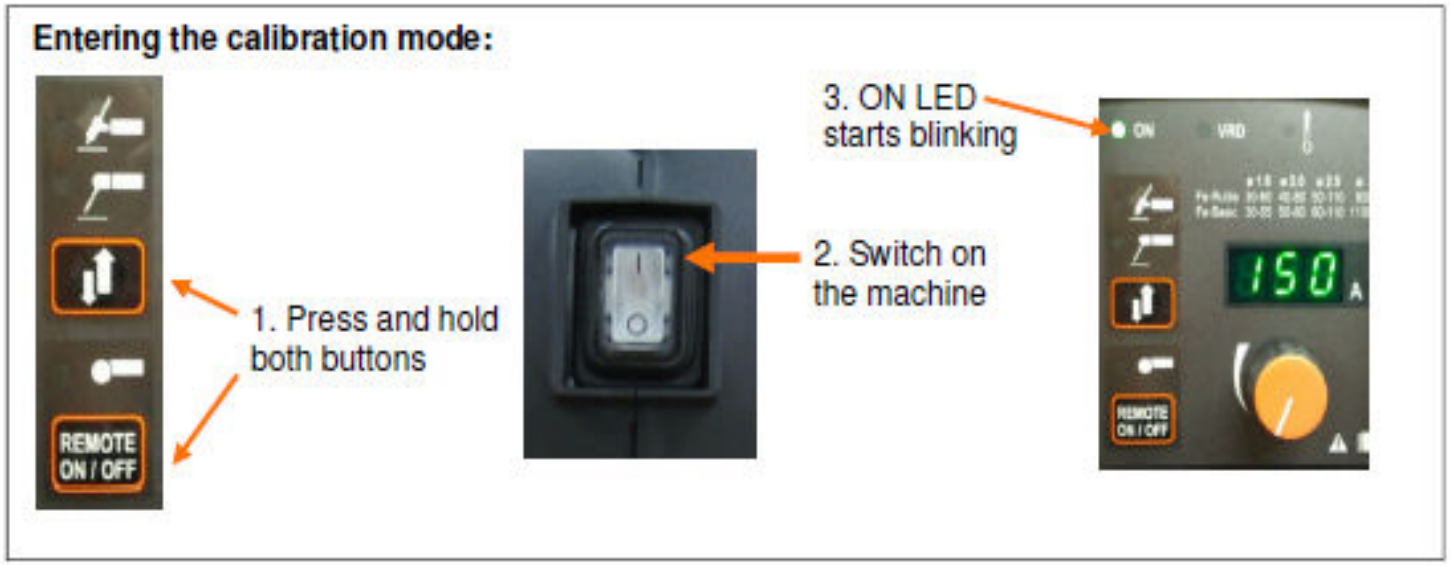
Set the remote control to maximum.

Search the point where display changes from 149 to 150 with buttons REMOTE ON / OFF and ↑↓ . Once the point is found press the button ↑↓ three times.

Resetting the calibration data

Calibration data may be needed to reset in a case where calibration parameters are totally out of range. With this operation is possible to restore factory values that may help to recalibrate the machine. Note that factory values are meant to be used only for returning to the point where to start again.

Recalibration must be done after resetting.



ON-led blinks 0,9 s OFF and 0,1 s ON

Resetting the calibration data

Move to this parameter by pressing and holding button REMOTE ON / OFF and then pressing button .

All leds are OFF.

Press once shortly button -> ON-led starts to blink 0,1 s OFF and 0,9 s ON. Machine is now in reset mode.

Note that if reset mode is wanted to be cancelled press button again to return to normal mode. On led starts to blink 0,9 s OFF and 0,1 s ON.

Switch off and restart the machine. Now the calibration data reset is performed.