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 <small>Quality in Electronic Manufacturing</small>			
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Introduction

This procedure allows the firmware update, Via the USB port on the back of the MQ5CF controller.



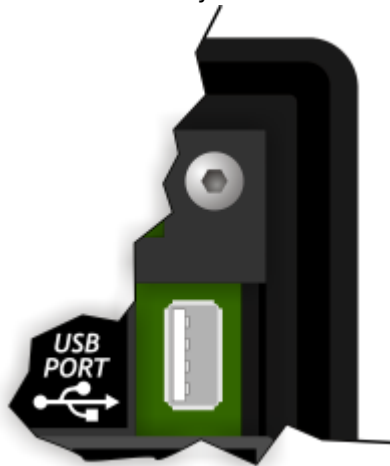
ATTENTION: The firmware upgrade operation is particularly dangerous if it does not run properly, because it could make damage to the instrument.



===== Premise =====.

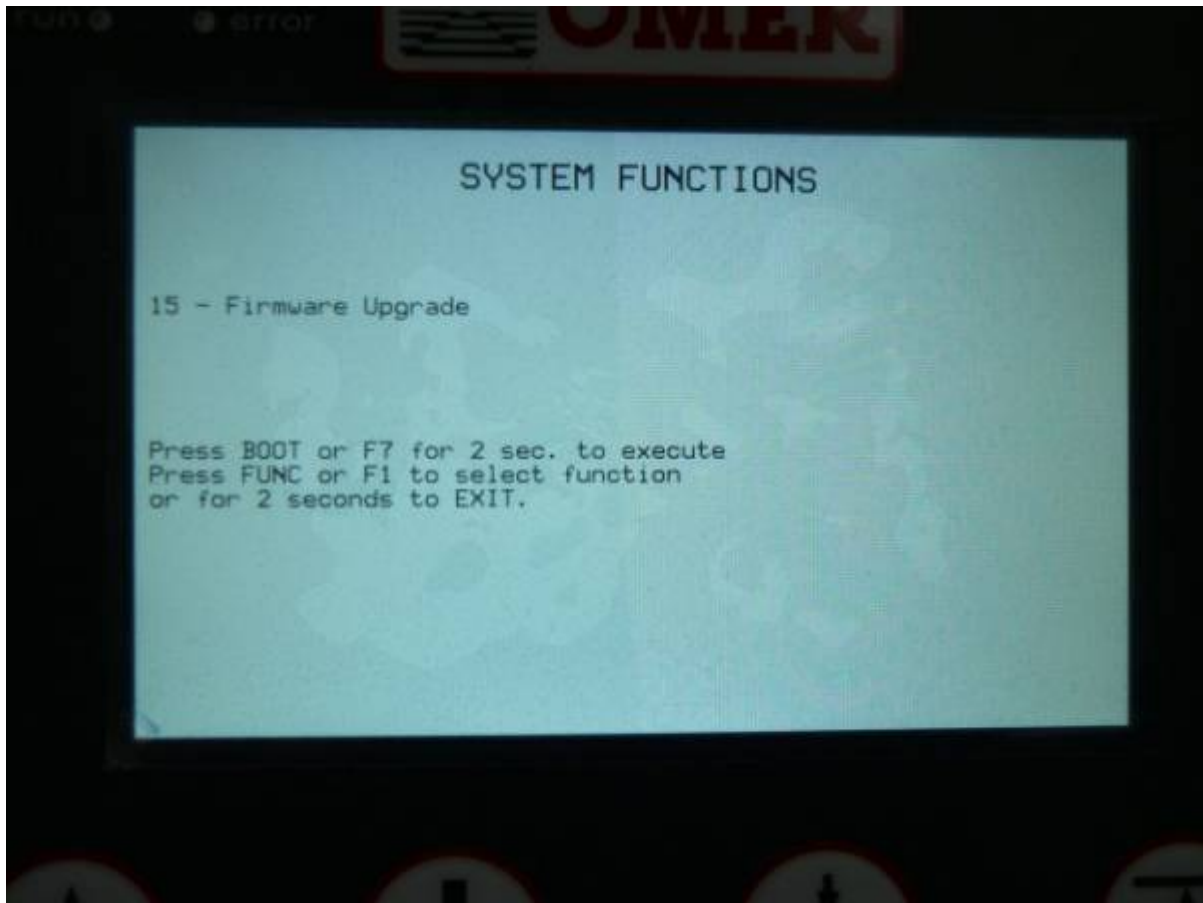
Copy in the root (main folder) of the USB of upgrading, the **FIRMWARE.a21** file.



Procedure

1. Turn off the instrument.
2. Insert the USB key on the back of the MQ5CF.



3. Turn on the MQ5CF by holding down the **FUNC** button  on the back of the instrument.
4. After a few moments the MQ5CF enters the system functions area. Press the **F1** key  to get to the function **15 - Firmware upgrade**.







5. To execute the function press and hold for 2 seconds the **F7**  button or the **BOOT** button  on the back.
6. A screen is shown for entering the password. The default value is **123**.

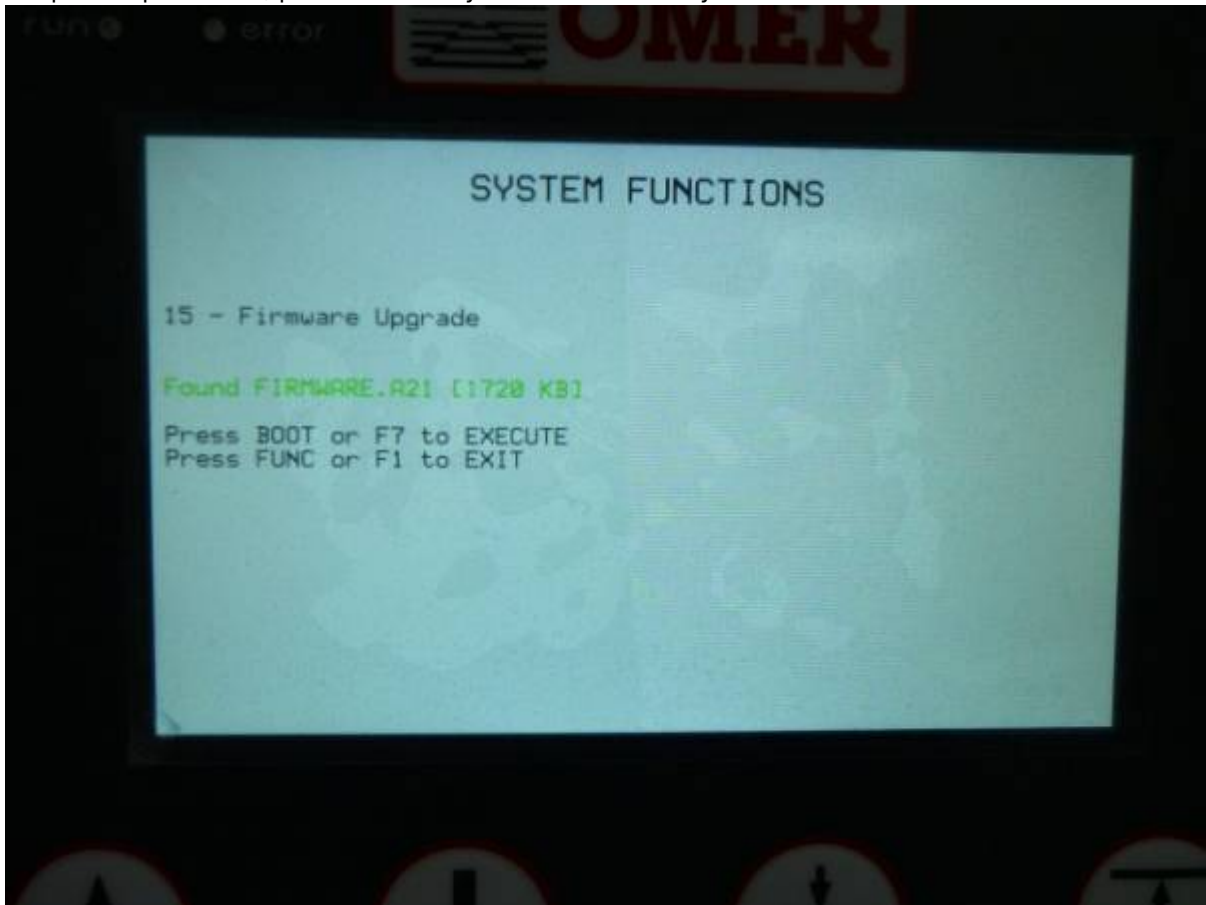
Confirm with the **Enter**  button



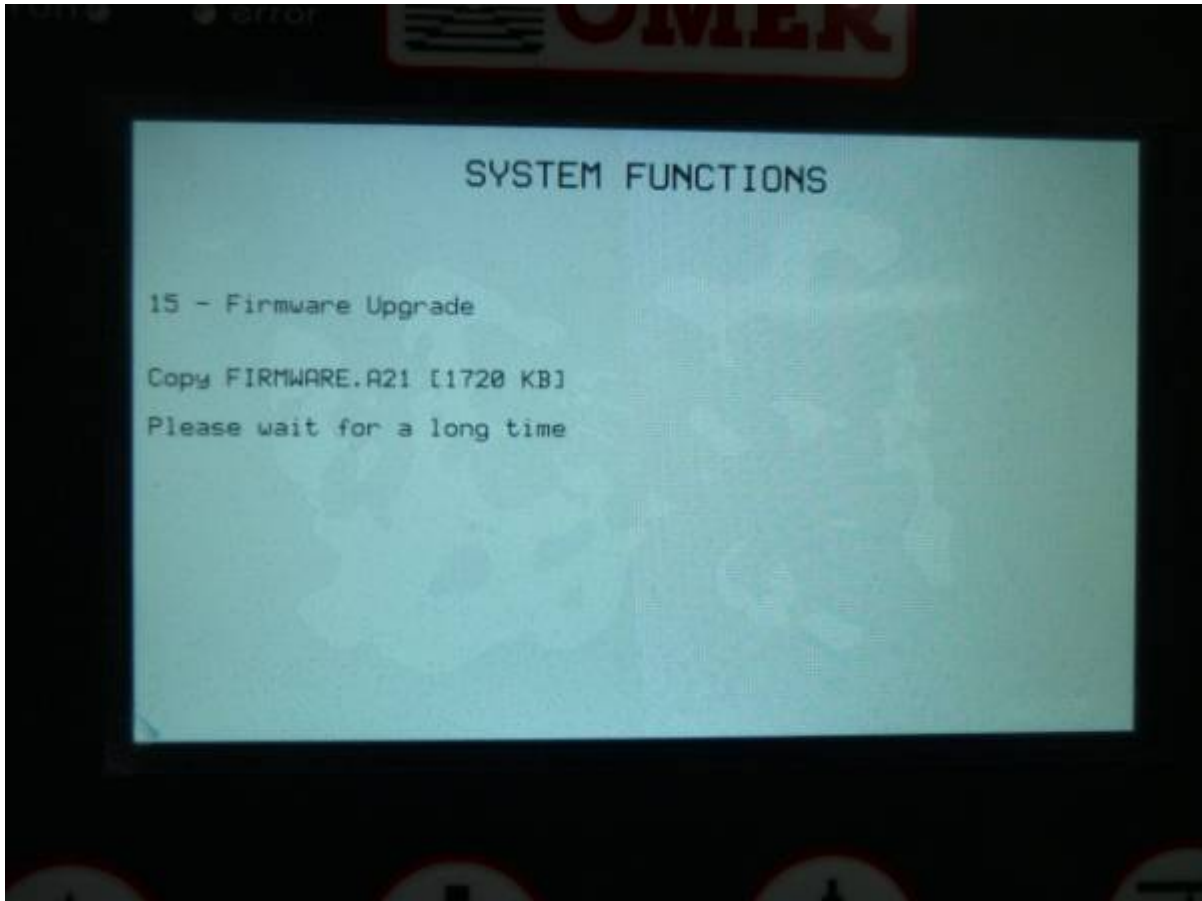
7. It scans the contents of the USB and shows the name of the firmware file found.

To confirm press the **F7** key  or the **BOOT** key .

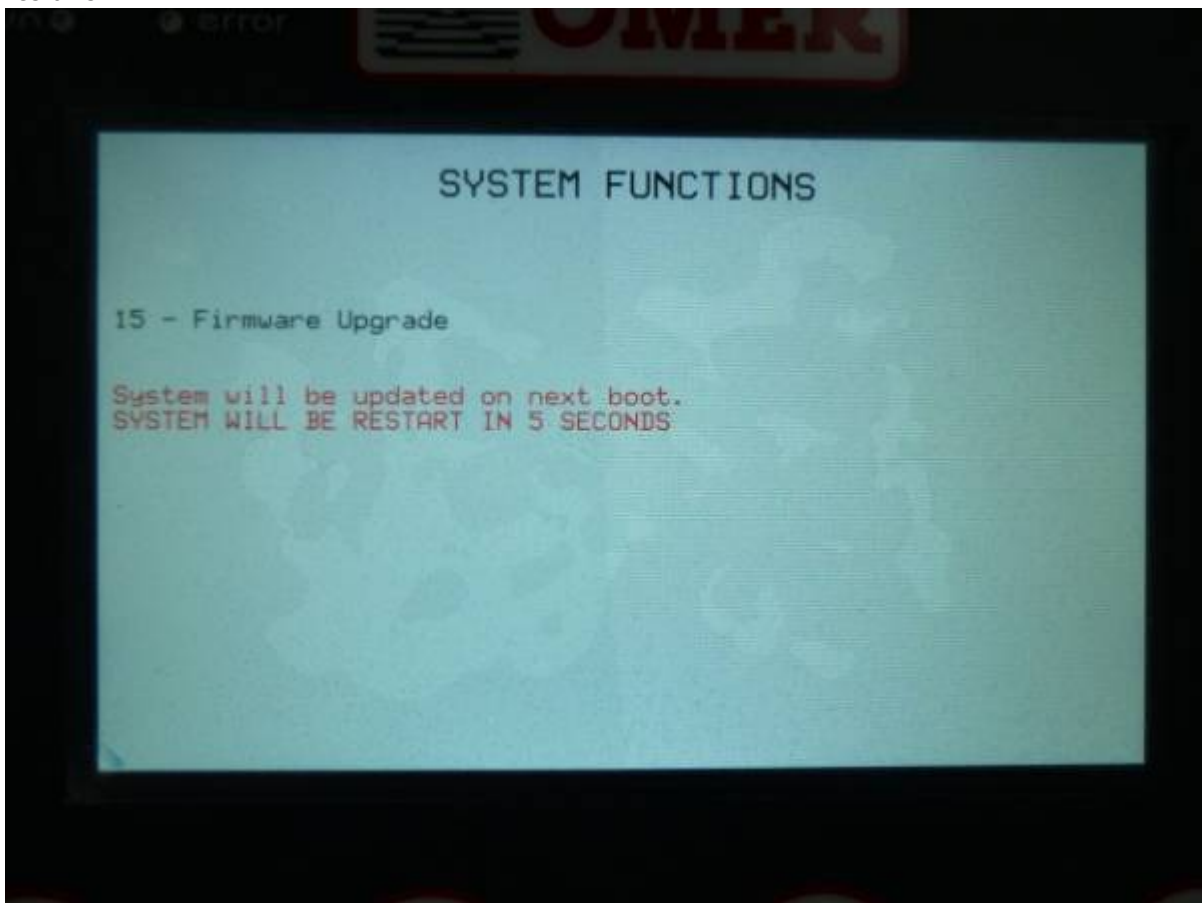
To quit the procedure, press the **F1** key  or the **FUNC** key .





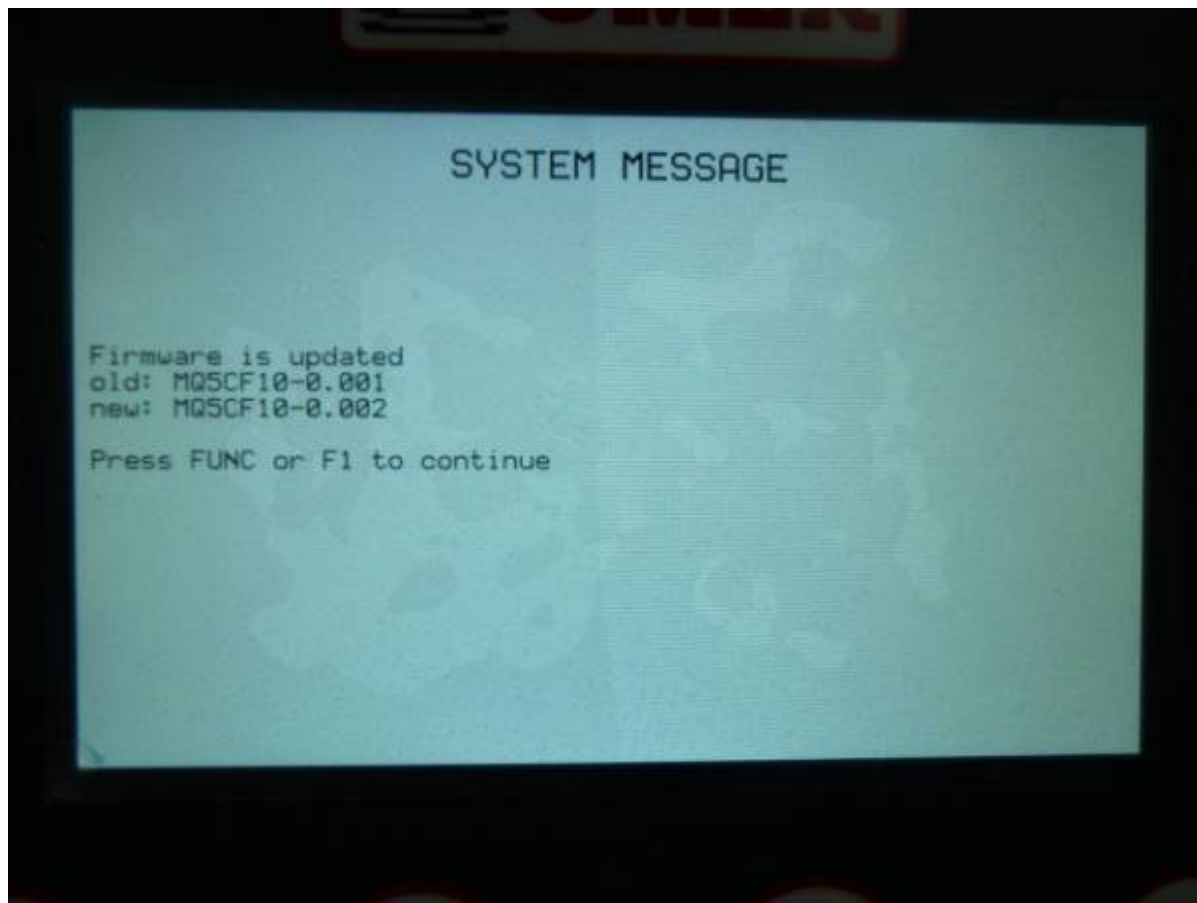
8. Start the upgrade process.



9. When you have finished, The following screen is showed for 5 seconds and then the MQ5CF automatically restarts.



10. A report screen appears when you start the MQ5CF that shows the name of the old firmware and the new one. Press the **F1** key  or the **FUNC** key  to proceed with the power on.



The new application is loaded and the procedure is completed.

Note

The firmware update can be done alternately through a special program connecting the MQ5CF with IQ009 interface on the mini-usb PROG port on the back side.

[WHP001 - Firmware update procedure](#)

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