Quick Guide   **Firmware Upgrade MPMS100A-1 or MPMS100A-2**
Micro Pressure Measurement System

<p style="color:red; text-align:center">PLEASE FOLLOW THE INSTRUCTIONS CAREFULLY BELOW !</p>

BEFORE STARTING CHECK THE CURRENT FIRMWARE VERSION

- Start the MPMS100A-# (Samba 200) unit and connect a transducer
- Press Menu and select 'SETUP' and then 'SYSTEM INFO'
- The firmware version is presented as "DSP ver."
- If the version of the upgrade firmware has a higher number, proceed with the upgrade

MPMS100A-# (Samba 200) FIRMWARE UPGRADE SOFTWARE INSTALLATION

1. Download and save the file 'Firmware loader (vx.x.x).zip' into a folder on your PC
2. Unzip the file. Your folder should now contain the following files:
   - Quick Guide Samba 200 firmware upgrade.pdf
   - Samba 200 FW upgrade.exe
   - Upgrade instruction.pdf
   - SAMBA_200_FW.S
   - VERSION X READ ME.TXT

MPMS100A-# (Samba 200) FIRMWARE UPGRADE PROCEDURE

1. Remove any transducer from the MPMS100A-# (Samba 200) unit.
2. Connect the unit to the power outlet and restart it by pressing the 'On'-button.
3. Wait until the message "NO TRANSDUCERS FOUND !!" is displayed.
4. Connect the unit to the PC using a USB-cable.
5. Start the upgrade software on you PC by double-clicking the file 'Samba 200 FW Update.exe'.
6. Press 'Unit Ready' in the first information window.
   NOTE: Make sure the unit is connected to the power outlet and that "NO TRANSDUCERS FOUND !!" is displayed.
7. The MPMS100A-# (Samba 200) unit is now being turned off and the second information window is opened.
8. Turn on the unit again by pressing the 'On'-button before proceeding.
9. Press 'Upgrade' within a few seconds after turning the unit back on (while the screen on the unit is blank).
10. The firmware upgrade will now start and takes approx. 30 seconds.

   <p style="color:red">DO NOT TURN OFF THE SAMBA 200 UNIT OR DISCONNECT THE USB CABLE DURING FIRMWARE UPLOAD!!</p>

11. Press 'OK' when done.

The upgrade has now been successfully completed.

This application will download new firmware to the control unit. You need to connect both USB cable and power supply. Start the control unit without any transducers connected. Wait until text "NO TRANSDUCERS FOUND !!" is shown on the display.

[Unit ready]   [Abort]

Verify that the control unit has been turned off. If not, you need to quit this process and check communication. Please restart control and then press "Upgrade" to continue.

[Upgrade]   [Quit]

200 FIRMWARE LOADER 0.1_e.vi
Samba 200 FirmWare Loader
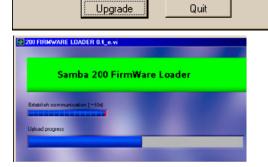Establish communication (~10s)
Upload progress

FINALLY, VERIFY THAT THE FIRMWARE HAS BEEN UPDATED WITH THE NEW VERSION

- Restart the MPMS100A-# (Samba 200) unit and connect a transducer
- Press Menu and select 'SETUP' and then 'SYSTEM INFO'
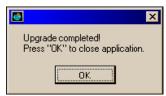- The firmware version is presented as "DSP ver."

Upgrade completed! Press "OK" to close application.

[OK]