

# ENVIRONICS TECHNICAL BULLETIN #121

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## Series 6103 Software update from all versions prior to 1.33-xx

### WARNING!

#### INSTALLING NEW SOFTWARE WILL ERASE THE FOLLOWING INFORMATION:

- 1) PORT/GAS SETTINGS
- 2) SAVED CONCENTRATION MODE SETTINGS
- 3) PHOTOMETER CALIBRATION DATA
- 4) RESET THE SYSTEM PASSWORD TO NONE
- 5) RESET THE STATUS INPUT MODE TO '0'
- 6) RESET THE OZONE SETUP –  
    “PHO FEEDBACK” & “PRESS CORR” TO ENABLED

PLEASE RECORD EXISTING SETUPS AND PHOTOMETER CALIBRATION DATA BEFORE UPDATING SOFTWARE.

NOTE: MFC & OZONE CALIBRATION DATA WILL NOT BE AFFECTED BY THIS UPDATE

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**IMPORTANT:** When updating from versions **1.30-02** or older, please follow the instructions below after the new version has been installed.

- 1) In **PREFERENCE MODE** under Ozone Setup, turn **PRESSURE CORRECTION** off.
  - 2) This is necessary until an ozone calibration is performed and the correct cal pressure is entered.
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#### To record Photometer calibration data:

1. Turn power on. From the READY MODE, press MENU until SYSTEM appears above the F1 key. Press F1 - 'SYSTEM', move cursor down using the keypad arrows to 'CALIBRATE PHOTO'. Press ENTER.
2. Record the Photometer Offset, Gain and Integration time values.

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## To install new software EPROM and restore calibration data:

3. Turn power off. Locate the small PC401 board that is attached to larger PC412 board along the right side of unit. (Reference 6103 Service manual – List of Illustrations - “Internal layout Illustration”)
4. Remove the EPROM with label indicating the current software revision.
5. Install the new EPROM with label indicating new software revision. Be sure to properly align chip before pressing into socket. The ‘notch’ at one end of the chip should be aligned at the bottom of the socket.
6. Turn power back on. Display will read  
OLDREV 6103-0.00-00  
NEWREV 6103-1.xx-xx  
System will then return to READY MODE.
7. From the READY MODE, press MENU until SYSTEM appears above the F1 key. Press F1 - ‘SYSTEM’, move cursor down using the keypad arrows to ‘CALIBRATE PHOTO’. Press ENTER.
8. Enter the values for Photometer Offset and Gain and Integration Time. (Reference 6103 Service manual – Table of Contents – “Photometer calibration”)
9. Press ACCEPT. System will restart and return to READY mode.
10. System is now ready for operation. Begin by re-entering cylinder and gas information. (Reference 6103 User’s manual – Table of Contents – “Gas Setup Mode” )