Service Bulletin

 # 09-900F004-01
September 2012

Foresee PHP® 14” Replacement Monitor Recalibration

Description

This service bulletin provides the details for recalibrating the 14 inch monitor after it has been replaced. If the screen calibration is invalid, you will have to calibrate the touch screen in Windows mode. The calibration procedure will not be accessible in PHP mode.

Note: If calibration is attempted in PHP mode, the screen will go black. The only way to exit this mode is with the keyboard, by pressing the ESC key.

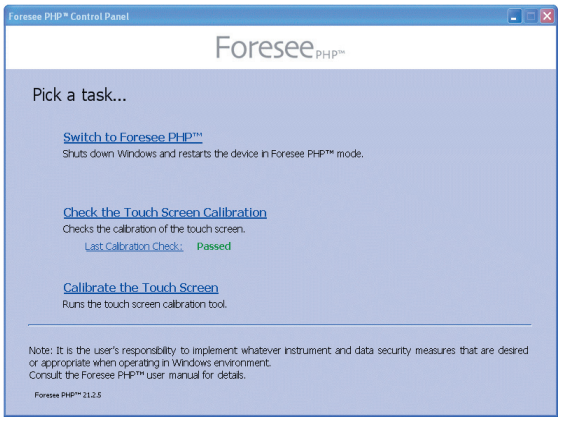

Figure A, Pick A Task...

Procedure - Windows Mode

Calibrate the Touch Screen

The following procedure is used when calibrating the monitor in Windows mode, starting from when the instrument is turned off.

1. Turn the unit on.
2. Touch the ‘Shut-down’ button on the screen.
3. A menu will appear. Touch the ‘Switch to Windows’ option.

Note: The device will shut down and then restart in “Windows”. This may take a few moments.

4. The ‘Pick A Task...’ menu will appear. Refer to Figure A.
5. Touch ‘Calibrate the touch Screen’.
6. The ‘Digital Interface by Touch’ menu will appear. Refer to Figure B.
7. Touch the ‘Calibrate’ tab at the top of the window.

Note: The settings in this menu cannot be changed. Only the 2 point calibration option is available.

8. Touch ‘Calibrate’. Refer to Figure C.
9. A target will appear on the top left of the screen.
10. Touch the tip of the stylus to the center of the target and hold until the target disappears.

Note: You must touch and hold the target until it disappears. The target will disappear after about 2 seconds of touching it with the stylus.

Note: It is important to be as accurate as possible.

11. Another target will appear on the lower right of the screen.
12. Touch the tip of the stylus to the center of the target and hold until it disappears.
13. The ‘Digital Interface by Touch’ window will appear. Touch ‘OK’ at the bottom of the ‘Digital Interface by Touch’ window.

(continued)

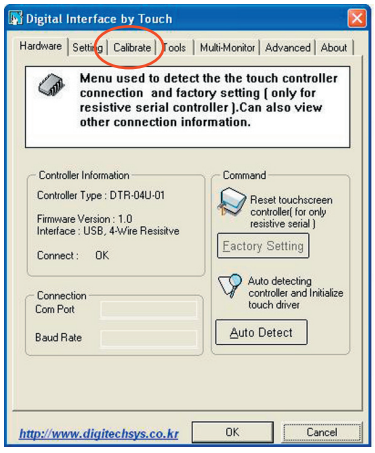

Figure B, Digital Interface by Touch

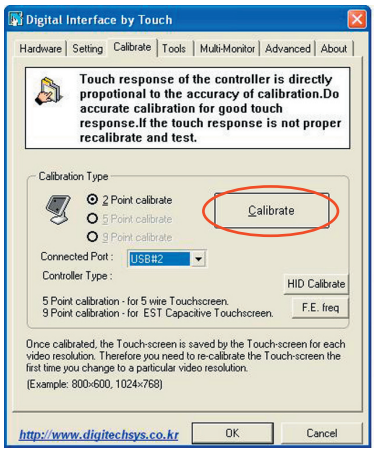

Figure C, Calibrate

Procedure - Windows Mode (continued)

Check the Touch Screen Calibration

1. Press 'Check the Touch Screen Calibration' button on the 'Pick A Task...' menu. Refer to Figure A.
2. A screen will appear with a cross mark on the top left.
3. Touch the tip of the stylus to the center of each cross as they appear in sequence.

Note: A cross mark will appear in each of the four corners of the screen.

Note: It is important to be as accurate as possible.

Note: If verification fails, you will be prompted to verify the calibration again. If verification fails a second time, you will be asked to recalibrate the screen. If recalibration is required, refer to the Calibrate the Touch Screen section.

4. The 'Pick A Task...' menu will appear again. Refer to Figure A.
5. Touch the 'Switch to Foresee PHP' button.
6. A warning will appear asking if you are sure you want to switch to the Foresee PHP. Touch 'Yes'.
7. The unit will restart in Foresee PHP mode.

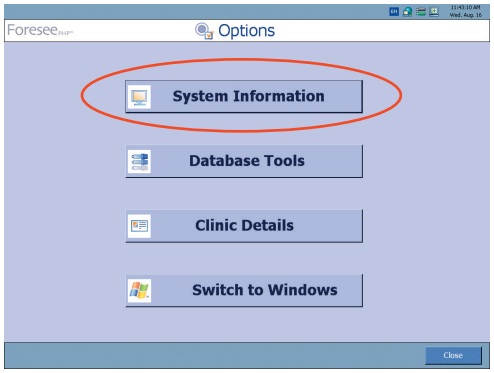

Figure D, Options Menu

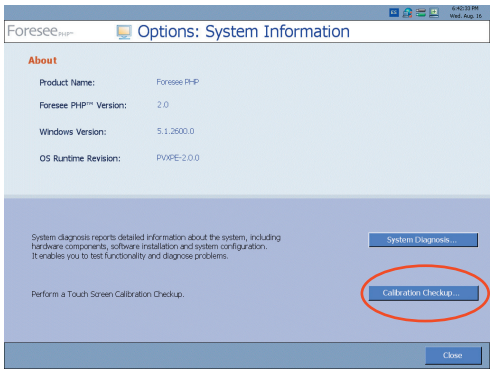

Figure E, System Information

Procedure - PHP Mode

Check the Touch Screen Calibration

1. Touch the 'Options' button.
2. Touch the 'System Information' button. Refer to Figure D.
3. Touch the 'Calibration Checkup' button. Refer to Figure E.
4. Touch the 'Start A Calibration Checkup' button. Refer to Figure F.
5. Touch the center of each cross as it appears on the screen.

Note: It is important to be as accurate as possible.

6. If the calibration checkup was successful, a widow will appear saying that the screen calibration is valid. Touch 'OK'.

Note: If the calibration checkup fails, retry the calibration checkup from step 3. If it fails three times in a row, the screen must be calibrated again in Windows mode. Refer to the Calibrate the Touch Screen section.

Note: If the calibration checkup fails, an option will appear to 'Calibrate the Touch Screen'. **DO NOT** select this option. This will turn the screen black. If this option is selected by accident, press ESC on the keyboard to exit the black screen. After pressing ESC, the Touch Screen Calibration screen will appear, saying '*The touch screen calibration is done. Please touch the OK button, and perform another checkup to verify the calibration.*' Touch OK. You must exit this menu and return to the main screen, and switch to Windows to calibrate the screen.

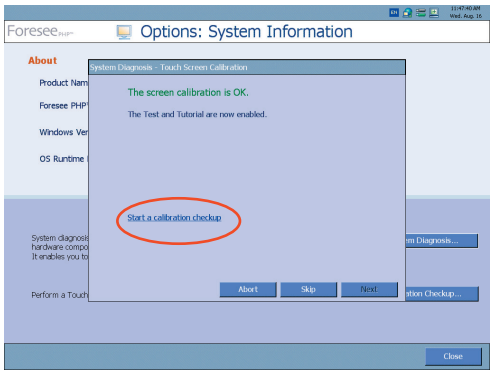

Figure F, Calibration Checkup