

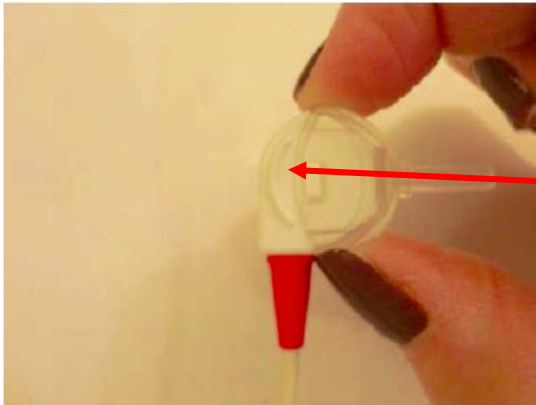
QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

Before running a test, always check to make sure the probe tip is clean and the canals are not blocked. If the probe calibration does not pass, or if you are unable to obtain an OAE on an ear that is known to have an OAE, check the probe tip. If it is clean, remove the probe tip, rotate it 180 degrees and re-attach. If the probe tip is blocked please replace the probe tip.

Note: If you are using the expert probe calibration screen and symmetry is a problem, look for debris in the probe tip.

To remove the probe tip:

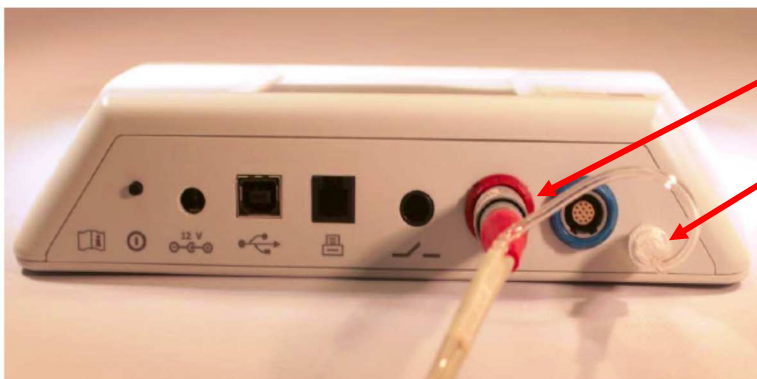


To remove the clear plastic probe tip, gently squeeze the top and bottom of the tip. Continue squeezing as shown and hold the probe body (white part just above the red), pull gently to remove. Rotate the probe tip 180 degrees and replace the probe tip on the probe. Make sure the probe tip fits snugly onto the probe. Retest to see if probe is working.

If the OAE is still not able to be completed, do a probe test.

To do a probe test, first connect the probe to the device.

For the Sentiero Desktop, prior to running the probe test, attach the tympanometer probe to the red connector with the clear tubing attached to the air connector (see below).



Connect the red connector from the tympanometer probe cable to the red jack on the back of the desktop device. ALSO, connect the clear tubing (air connector) securely to the pump outlet to the right of the blue connector on the back of the device with a gentle twisting motion until it is finger tight. DO NOT overtighten. If your device is new, you will need to remove the white cap

QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

(unscrew from the air connector) from the device and the clear plastic screw cap from the end of the clear tubing on the probe itself prior to connecting to the device.



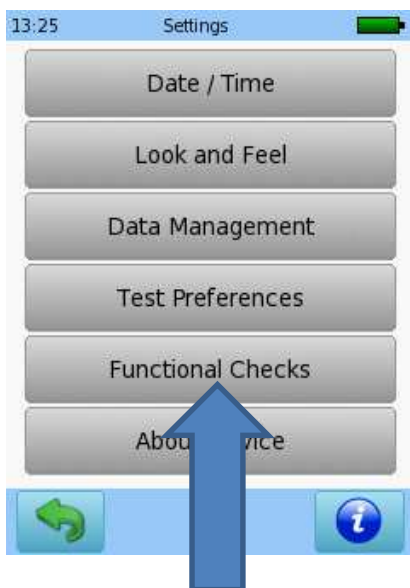
For the Sentiero handheld, attach the red probe to the red connector.

Next, from the MAIN MENU tap the TOOLS button to enter the SETTINGS MENU

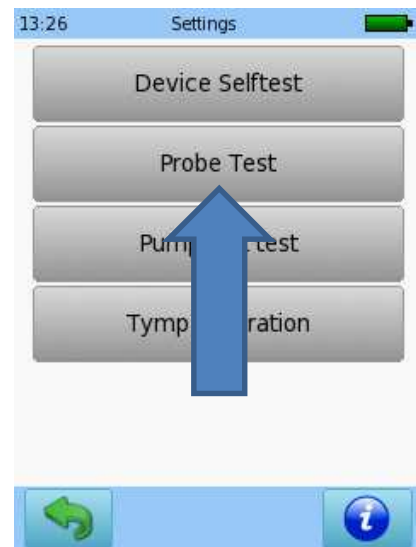


If two probes are connected you will get a message telling you that the probe in the red jack will be tested.

SETTINGS MENU opens,
Tap on Functional Checks



FUNCTIONAL CHECKS MENU
opens, tap on Probe Test



QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

Place probe in red test cavity completely with large clear plastic probe tip on the probe.



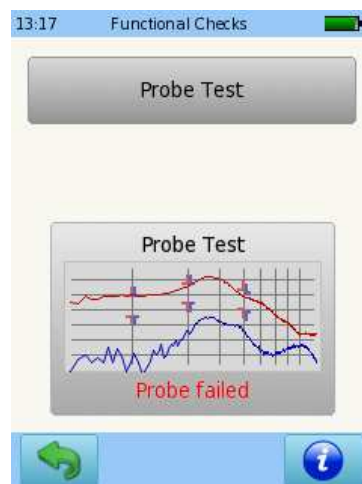
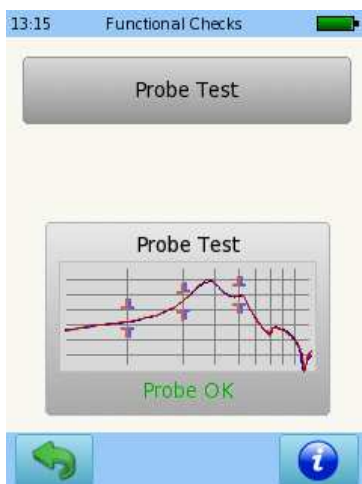
When probe is sealed, tap the probe test button:



When the test is complete, there are several possible outcomes.

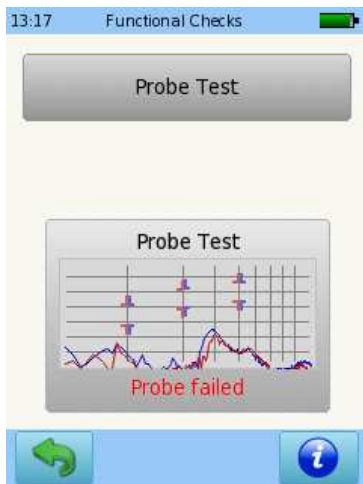
If the probe test passes, you will see the *Probe OK* result (below left). For the probe to pass, the red and blue lines must be between the normal limits indicators on the screen with both lines on top of each other (bottom left)

If not done properly, an incorrect result *Probe Failed* will be obtained (below right). In this case, reposition the probe and repeat the test.



QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES



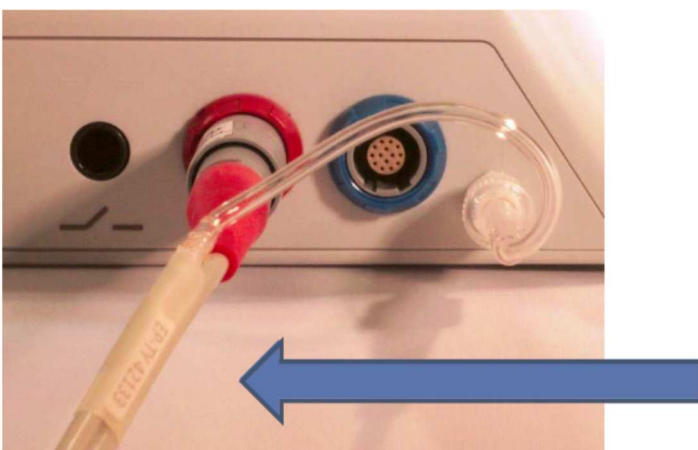
If the probe test results are NOT within normal limits, you will see the message *Probe Failed*. This figure shows an example of a probe fail result (red and blue lines near the bottom of the graph rather than between the normal limits indicators near the top). The test will also fail if the red and blue lines are not together (one line is different than the other) (see right figure on previous page).

If probe failed result is obtained, re-position the probe tip on the probe and the probe tip in the cavity, and repeat the test.

For the tympanometry probe (EP-TY) there is an extended test that will check the pressure after the microphone and loudspeakers have been checked. If the first part of the test passes, the test will continue to check pressure buildup. If this part of the test fails, it may be due to leakage.

If you continue to obtain a probe failed message even after repositioning and repeating the test, please contact your distributor or Technical Support for further assistance.

Take a picture of your result and forward this to Technical Support along with the serial numbers of the probe and the device. The probe serial number can be found on the label on the probe cable near the red connector (as seen below in figure). The probe type is also displayed on this label.




QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

Tympanometry probe pneumatic system and admittance calibration test

The functionality of the pneumatic system (i.e. air tube and pump unit) and the admittance calibration should be checked regularly.

To do this, first connect the red connector from the tymp probe cable to the red jack on the back of the desktop device and the clear tubing (air connector) securely to the pump outlet as shown on page 2.

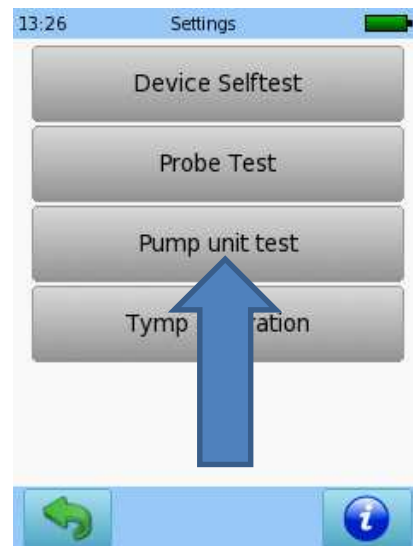
Then select the TOOLS button  from the Main Menu to access the Settings Menu.

To run a Pump unit Test:

On the SETTINGS MENU,
tap on Functional Checks



On the FUNCTIONAL CHECKS MENU,
tap on Pump unit Test



QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

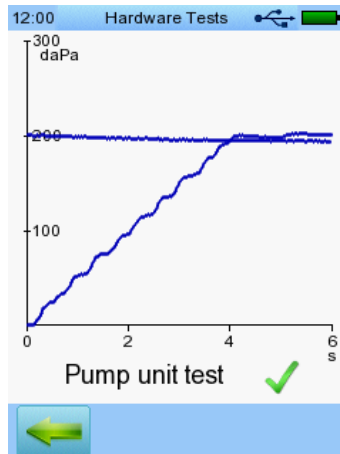
Place probe in red test cavity completely with large clear plastic probe tip on the probe.



When probe is sealed, tap the pump unit test button:



If the pneumatic system is working properly, you will see a green check mark:

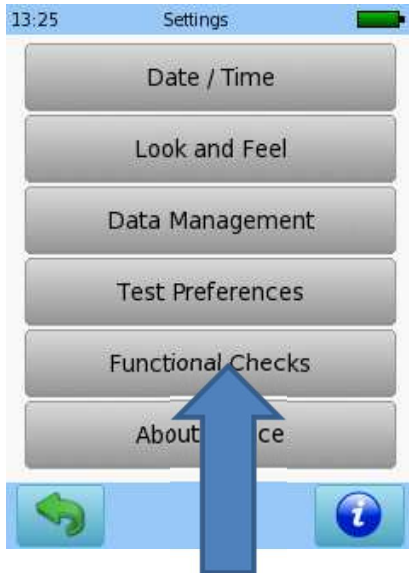


QUICK START GUIDE

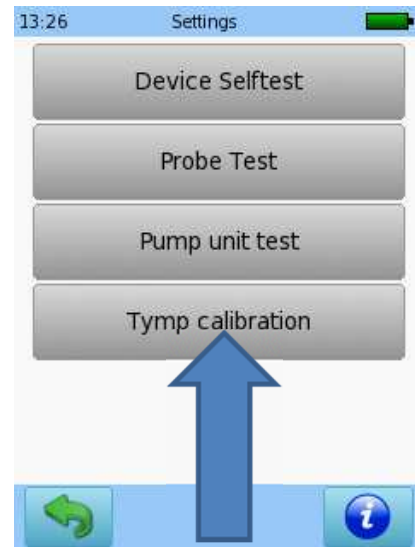
PROBE TEST FOR SENTIERO DEVICES

To readjust the admittance calibration:

On the SETTINGS MENU,
tap on Functional Checks




On the FUNCTIONAL CHECKS MENU,
tap on Tymp calibration



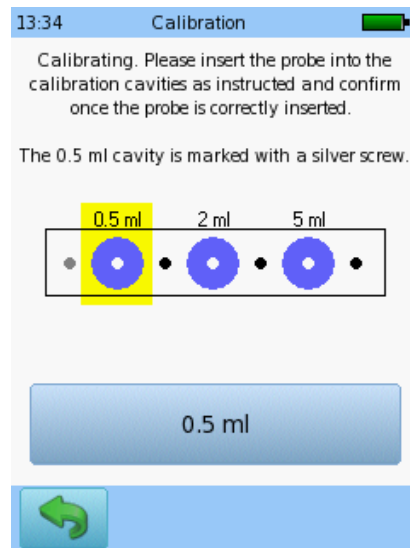
You will need the calibration cavities provided with the device:



Place the probe tip with the blue dot  in the first test cavity (e.g. 0.5 ml). To help identify the cavities, the 0.5 ml one is marked with a silver screw. Make sure that the probe tip is deeply inserted into the test cavity so that there is no leakage between probe tip and test cavity. Wait until the admittance value settles and press the button representing the selected test cavity volume (e.g. 0.5 ml). The respective admittance is adjusted accordingly. Continue the same procedure with the other two test cavities. If all three test volumes have been calibrated successfully a message box will appear.

QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES



If there is any deviation from the behaviour described above or if you suspect any dysfunction, please retry with another tympanometry ear probe and/or contact your distributor.

QUICK START GUIDE

PROBE TEST FOR SENTIERO DEVICES

Quick Guide Information

Release date: 2017-01-12
Revision: 02
Valid from: Firmware Rev. 2.1, Mira PC Software Rev. 1.6.4
Applies to: Models: SOD100497 and SOH100098, all web descriptions

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The latest revision of the Quick Start Guide is available online at www.pathme.de/download.

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