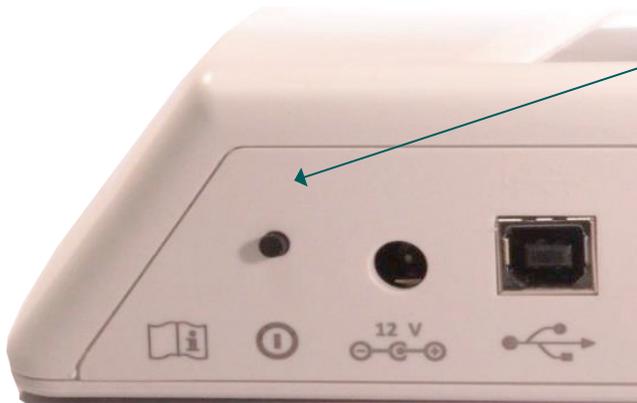


Probe test



Turn the Device ON with the power button on the back of the device. Make sure that the device is charged by checking the battery icon in the top right corner of the screen. Connect the device to the powersupply and plug into the wall outlet if the charge level is low.

From the MAIN MENU tap the **TOOLS** button to enter the **SETTINGS MENU**

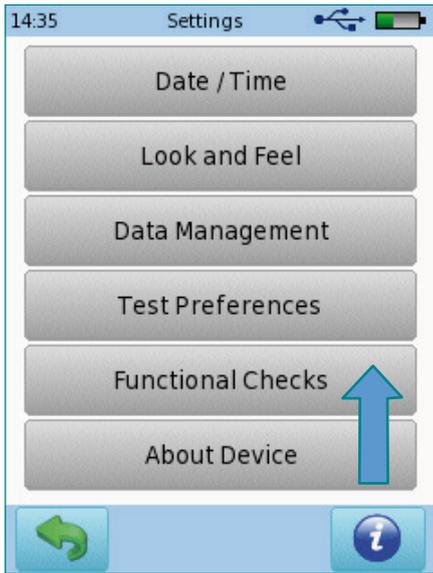


Prior to running the probe test, attach the tympanometer probe to the red connector with the clear tubing attached to the air connector (see below).

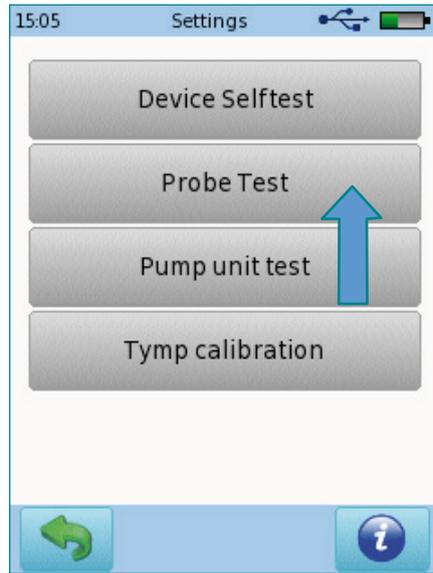
Connect the **red connector** from the tympanometer probe cable to the red jack on the back of the desktop device. ALSO, connect the clear tubing (air connector) securely to the **pump** outlet to the right of the blue connector on the back of the device with a gentle twisting motion until it is finger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

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



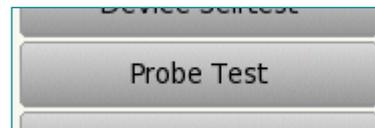
Functional Checks menu
opens

NOTE: You can also run an OAE probe check using the same method. It will stop after the speaker test with your test result.

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:



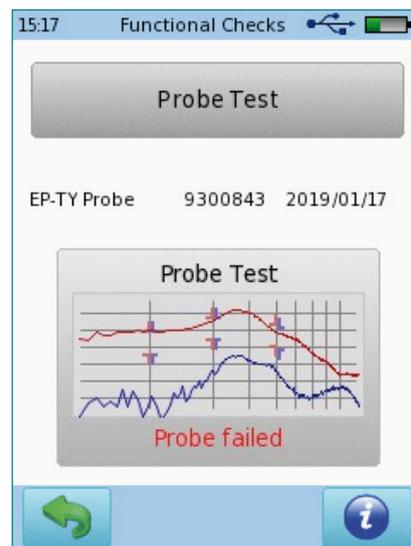
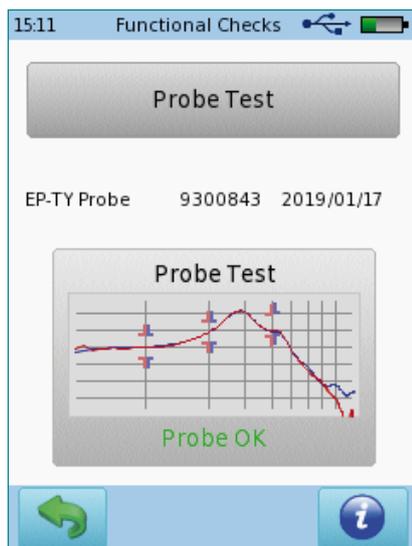
During the probe test several things will be verified: test signals are sent to the speakers to verify output and it also checks the feedback from the microphone to verify that they are within normal limits. After this, it will perform a leak test to make sure the probe is sealing correctly at the maximum positive and negative pressure (+400 to -600 daPa).

If the Sound test does not pass, probe check will not continue to Pressure Test!

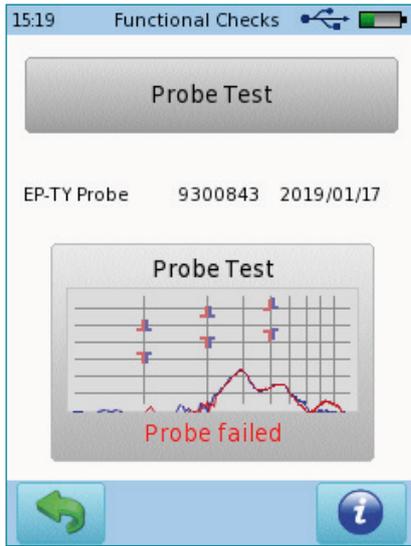
When the test is complete, there are several possible outcomes.

If both tests pass, 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.

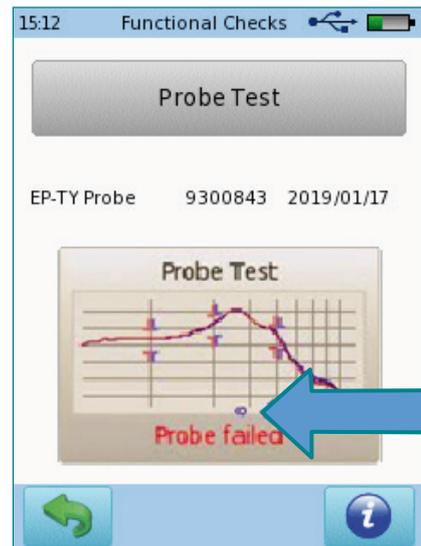


If you continue to receive a probe failed result, please make sure that all of your connections are secure. Also, try removing the clear plastic probe tip by gently squeezing the top and bottom of the tip. Continue squeezing as shown and hold the probe body (white part just above the red), pull gently to remove. Rotate the tip 180 degrees and place the tip on the probe. Repeat the probe test.



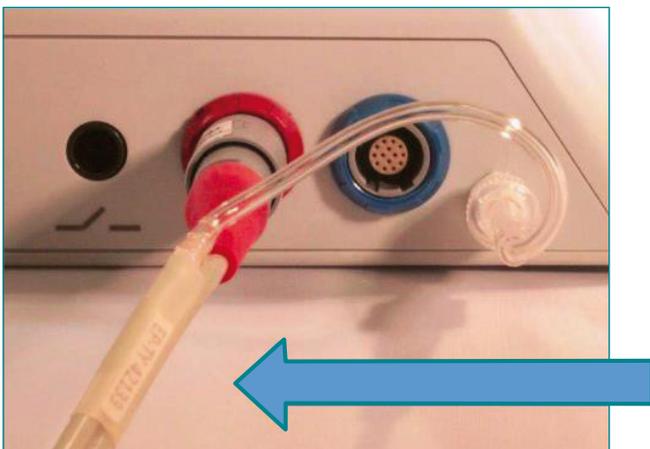
If the probe test results are NOT within normal limits, you will see the message Probe Failed. This figure shows an example of a probe fail result (red and blue lines near the bottom of the graph rather than between the normal limits indicators near the top - see left). The test will also fail if the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

Even if the first part of the probe test passes, the second part is a leak test. If the tympanometry leak test does not pass due to a leak, the result would resemble the test in this figure. Note the blue circle at the bottom of the graph showing that negative pressure could not be maintained.



If probe failed result is obtained 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 (EP-TY)



Tympanometry probe pneumatic system and admittance calibration test

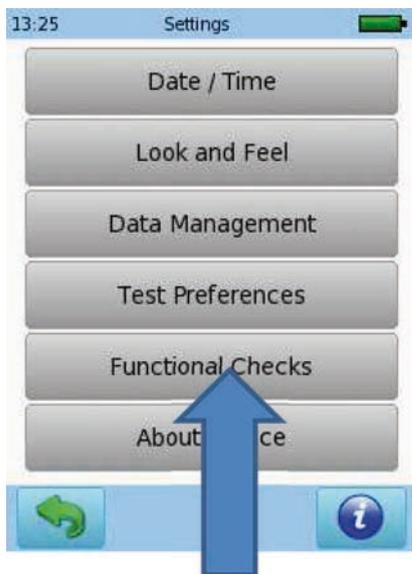
The functionality of the pneumatic system (i.e. air tube and pump unit) and the admittance calibration should be checked regularly.

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.

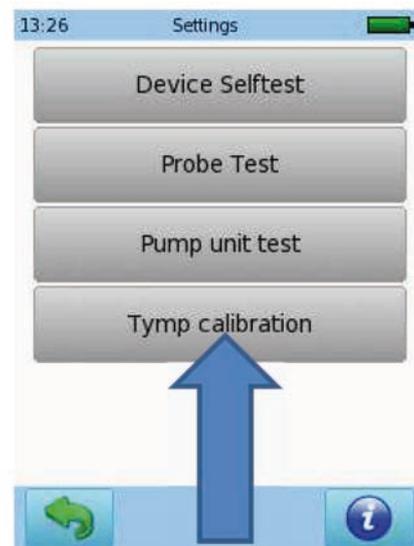
Then select the TOOLS button  from the Main Menu to access the Settings Menu.

To run a Pump unit Test:

On the SETTINGS MENU, tap on Functional Checks



On the FUNCTIONAL CHECKS MENU, tap on Pump unit Test



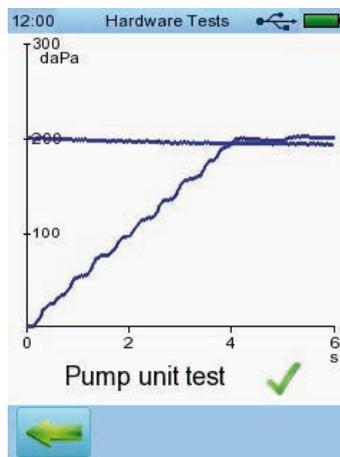
Place probe in red test cavity completely with large clear plastic probe tip on the probe.



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

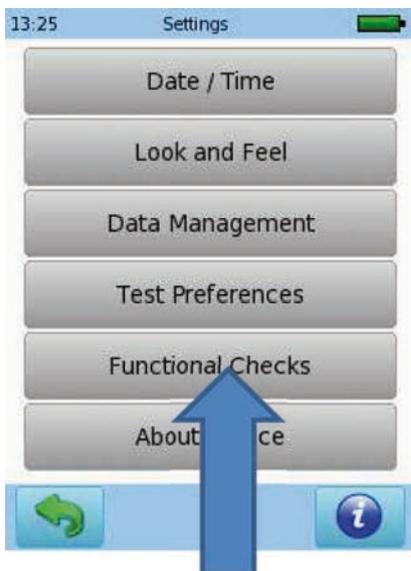


If the pneumatic system is working properly, you will see a green check mark:

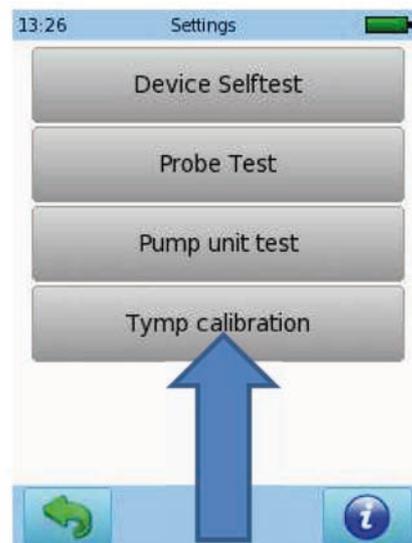


To readjust the admittance calibration:

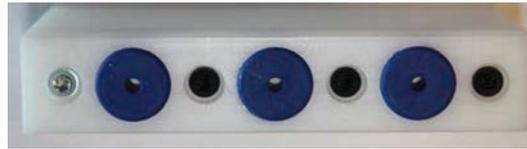
On the SETTINGS MENU, tap on Functional Checks



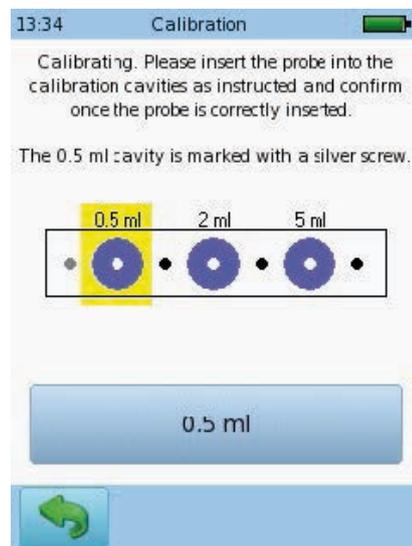
On the FUNCTIONAL CHECKS MENU, tap on Tymp calibration



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.



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 Guide Information

Release date: 2017-01-12

Revision: 02

Valid from: Firmware Rev. 2.1, Bio-link PC Software Rev. 2.0

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Please contact your local Bio-logic distributor for further information.

Errors and omissions excepted.

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