

Quick Start Guide

QSCREEN

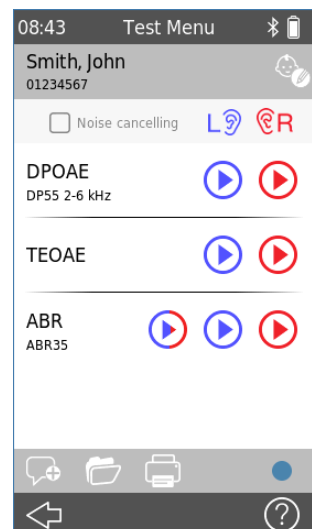
PATH MEDICAL, Germany

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Prepare the equipment

1. Turn on QSCREEN by pressing the Power button.
2. Press the Test icon to perform a test without selecting a patient. Test data can be assigned later to a patient. Refer to the User Manual for details on how to assign a test to a patient. Alternatively, select a new or existing patient on the device first.
3. The list of tests available on your device will be displayed.



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OAE TEST

Test environment

The ideal test environment for OAE testing is in a quiet room. Loud ambient background noise adversely affects OAE measurements.

Prepare the baby

The baby should be sleeping or in a quiet and relaxed state. Sucking, blinking, crying or movement may negatively affect testing.

Place transducer

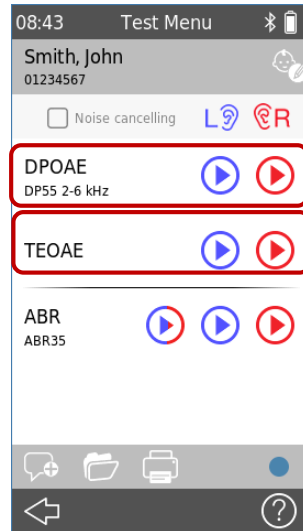
Select an ear tip that fits the patient's ear canal and put it on the probe tip. Place the probe in the ear. Avoid holding the probe during the measurement as this can produce noise that may affect the test result



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Run test

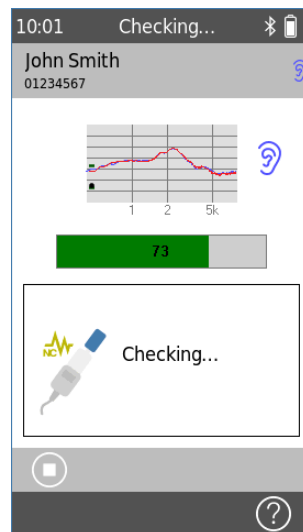
Select either TEOAE or DPOAE and press the blue button to start the test on the left ear or the red button to start the test on the right ear.



Probe Fit Check

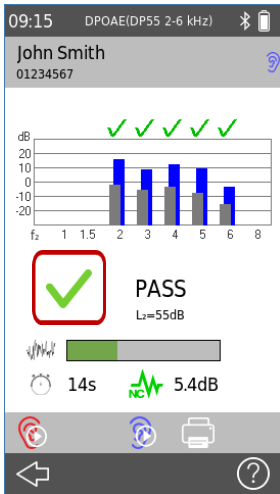
After starting an OAE test the screen will show "Checking".

The device is checking if the probe fits properly and the ear canal is sealed. The bar turns green when probe fit is okay.

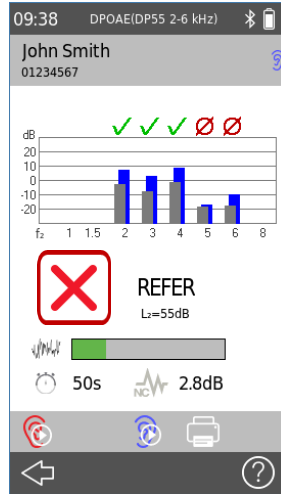


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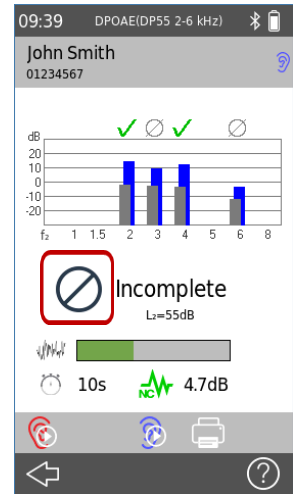
Test results (DPOAE)




When the Pass criteria for the test is reached, ✓ is displayed in green below the measurement, indicating the test has PASSED




When the Pass criteria for the test is not reached within the measurement time, ✗ is displayed in red below the measurement, indicating the test is a REFER



If the test is stopped manually before a PASS or REFER is generated by the system, ⓧ is displayed below the measurement, indicating that the test is INCOMPLETE

The other ear can be tested by pressing the  icon (right ear in the example above)

The same ear can be tested again by pressing the  icon (left ear in the example above)

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ABR TEST

Test environment

The ideal test environment for ABR is a quiet room where lights and other electronic equipment are turned off.

Prepare the baby

Patient state

The baby should be sleeping or in a quiet and relaxed state. Sucking, blinking, crying or movement may affect testing.

Skin preparation

If the baby's skin is oily or covered in vernix, the electrode placement sites should be cleaned prior to placing the electrodes.

You can use a conductive gel with the electrodes to improve impedances.

Place electrodes

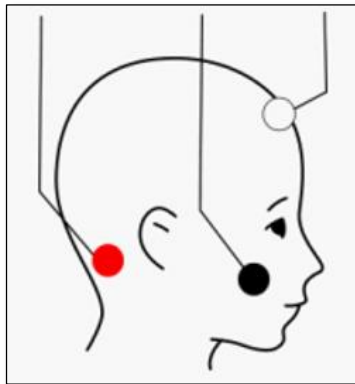
Place surface electrodes using the specified test montage for the selected protocol (mastoid for single ear testing or nape for binaural testing)

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Prepare the baby

Connect cables

Connect electrode cables to the respective surface electrodes



Red: On the nape of the neck for testing both ears simultaneously or mastoid for single ear measurement

Black: On the cheekbone (ground electrode)

White: On the upper part of the forehead

Place transducer

When using an ear probe or insert earphones, place an ear tip onto the probe tip or the earphone and place the transducer in the ear.

Avoid holding the probe during the measurement as this can produce noise that may affect the test result.

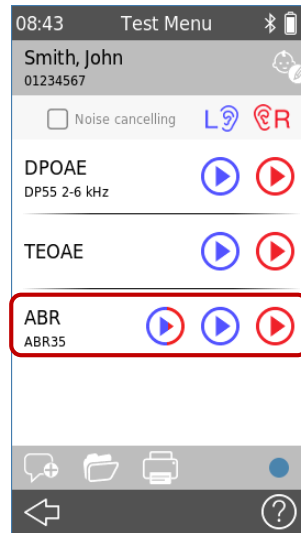
When using ear couplers fit the ear couplers onto the patient's ears.



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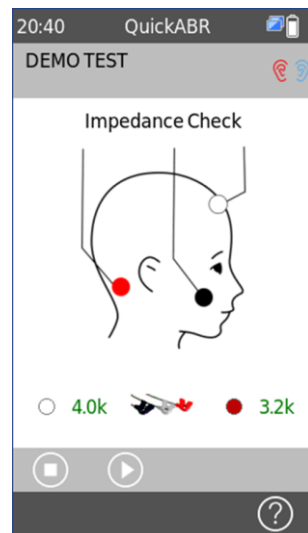
Run test

Select ABR and press the blue button to start the test on the left ear, the red button to start the test on the right ear, or the blue/red button to test both ears simultaneously.



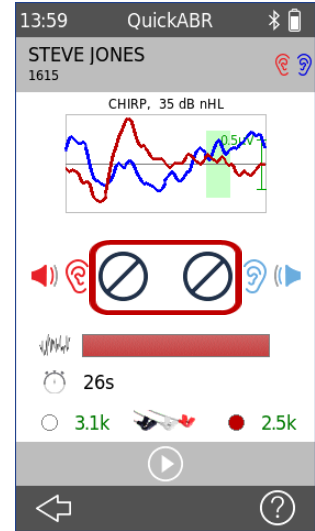
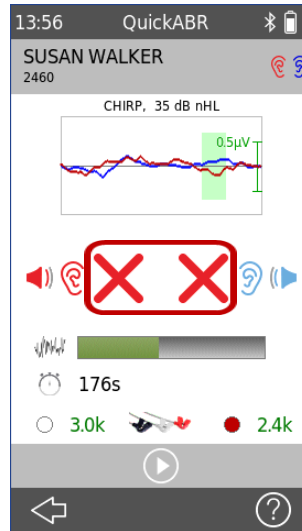
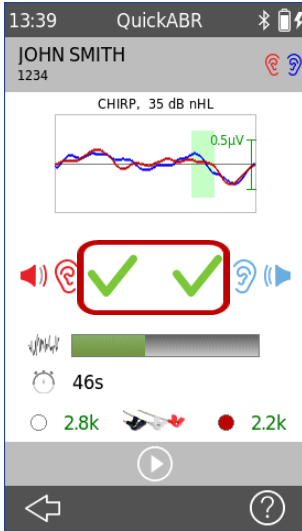
Impedance check

After starting an ABR test the screen will show "Checking". The device is checking if the impedances are within the limits (green letters mean accepted, red letters suggest repositioning or replacing the electrodes)



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Test results



When the Pass criteria for the test is reached, ✓ is displayed in green below the measurement, indicating the test has PASSED

When the Pass criteria for the test is not reached within the measurement time, ✗ is displayed in red below the measurement, indicating the test is a REFER

If the test is stopped manually before a PASS or REFER is generated by the system, ⊘ is displayed below the measurement, indicating that the test is INCOMPLETE

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Quick Guide Information

Release date: 2022-09
Revision: 01
Valid from: Firmware Rev 2.0
Applies to: QSCREEN (PM1610)

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