

# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

### TURNING ON/OFF, CHARGING THE DEVICE



On/off  
button on  
right side



Power  
supply  
connector

### START MENU



### TESTING

#### AUDIOMETRY

Connect the headphones to the blue connector. Select **Audio: Threshold** preset from the start menu.



# QUICK START GUIDE SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

Select the ear on which you want to start the test. The test screen will be displayed

## TEST SCREEN

The screenshot shows the 'Audio' test screen with the following annotations:

- Stimulus on indicator:** Points to the top status bar showing '4:59', 'Audio', and battery level.
- Select the stimulus levels:** Points to the '40 dB HL' control on the right side of the screen.
- Select the frequency:** Points to the '1 kHz' frequency selection button at the bottom.
- Stop the test:** Points to the red stop button at the bottom left.
- Select the ear to test:** Points to the ear icon at the bottom left.
- Enter masking mode:** Points to the 'M' icon at the bottom.
- Change settings:** Points to the 'i' icon at the bottom right.
- Additional information about options for current screen:** Points to the right side of the screen containing up/down arrows and a speaker icon.

## AUDIOMETRY TEST RESULTS

The screenshots show the 'Audio Result' screen with the following annotations:

- Green background indicates range of normal hearing:** Points to the green shaded area on the audiogram grid.
- Print results to a label or to a pdf file:** Points to the printer icon at the bottom of the screen.

The audiogram displays frequency (0.125 to 16 kHz) on the x-axis and decibels (-10 to 100 dB) on the y-axis. The left screenshot shows a red line representing the test results, and the right screenshot shows a blue line representing the test results.

# QUICK START GUIDE SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

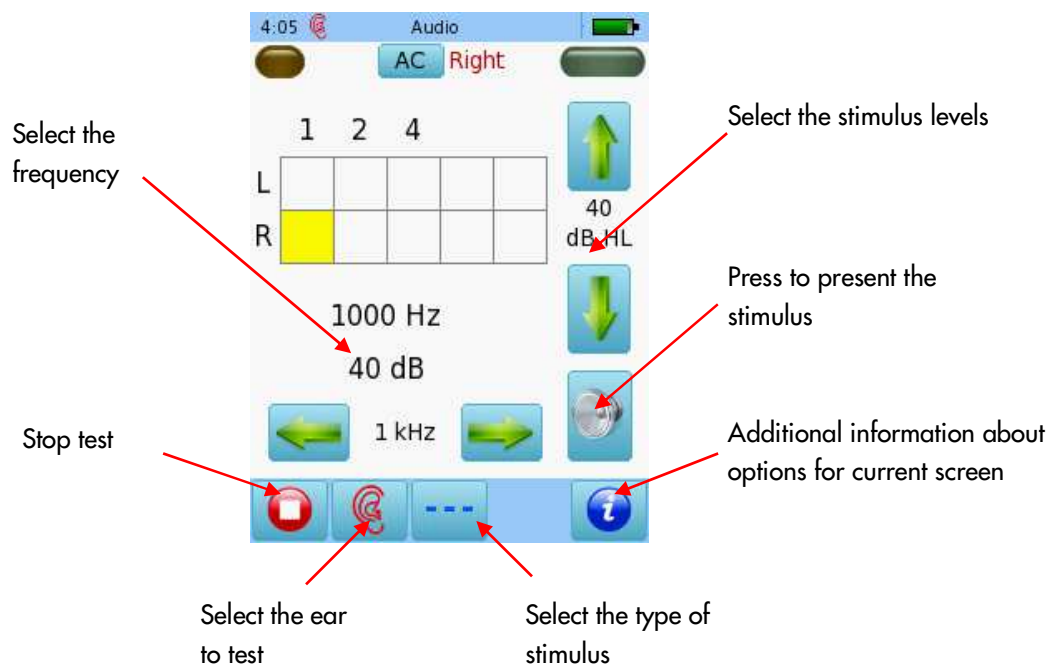
## AUDIOMETRY SCREENING

Connect the headphones to the blue connector. Select Audiometry Screening Preset from the start menu.



Select the ear on which you want to start the test. The test screen will be displayed

## AUDIOMETRY SCREENING TEST SCREEN



# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

As you present the stimulus, the current level will be displayed in the corresponding square. Once the hearing status for a frequency has been identified, move on to the next frequency.

Tapping twice on a square will display NR (no response)

Once all frequencies have been tested for one ear, you can test the other ear

Tap three times to get back to blank square



Once the test is finished, you can save the results, print to a label (a label printer is required) or print to a pdf file.

### DISTORTION PRODUCT OTOACOUSTIC EMISSIONS (DPOAE) SCREENING

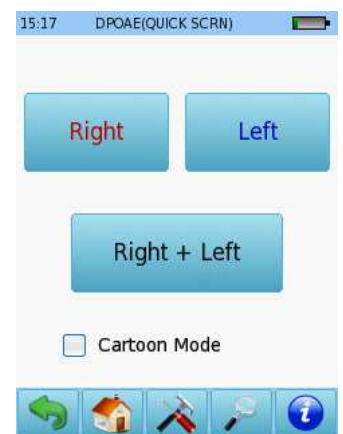
Connect the red probe to the red connector and select one of the Presets for DPOAE Quick. To perform binaural testing, also connect the blue probe to the blue connector.



Select the appropriate ear tip size and place it on the probe tip. Insert the probe in the ear making sure that the ear tip fits tightly into the ear canal.

Select the test ear by pressing either the **Right** or **Left** button, or the **Right + Left** button for binaural testing.

Cartoon mode will start the test showing a cartoon instead of the progress bar.



# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

A calibration will be performed prior to measurement. A green light indicates successful calibration. After successful ear probe calibration, the test will start automatically.

Progress for each tested frequency

Overall test progress

Noise floor level

### DPOAE SCREENING TEST RESULTS

Overall screening test result

Green check marks indicate valid response. Red circles indicate no valid response

Red (right ear) or blue (left ear) bars show response amplitude. Grey bars show noise amplitude

Retest frequencies that did not pass

Print results to a label or to a pdf file

Test other ear

Switch to results of the other ear after both ears have been tested

*Note: These circles indicate that other screens are available to view. Swipe your finger right or left to get other views.*

DP	15	13	10
N	-0	-1	-7
SNR	16	14	17

DP	-23	-8	-23
N	-17	-15	-17
SNR	-6	7	-6

# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

### DPOAE DIAGNOSTIC / HIGH RESOLUTION

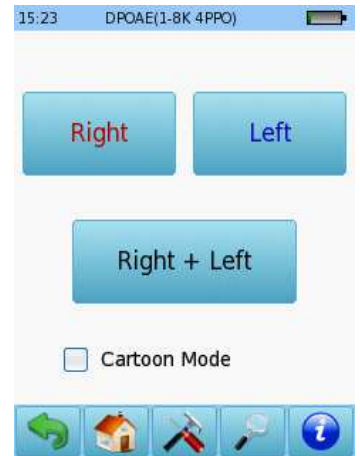
Connect the red probe to the red connector and select one of the Preset protocols for DPOAE Diagnostic. To perform binaural testing, also connect the blue probe to the blue connector.



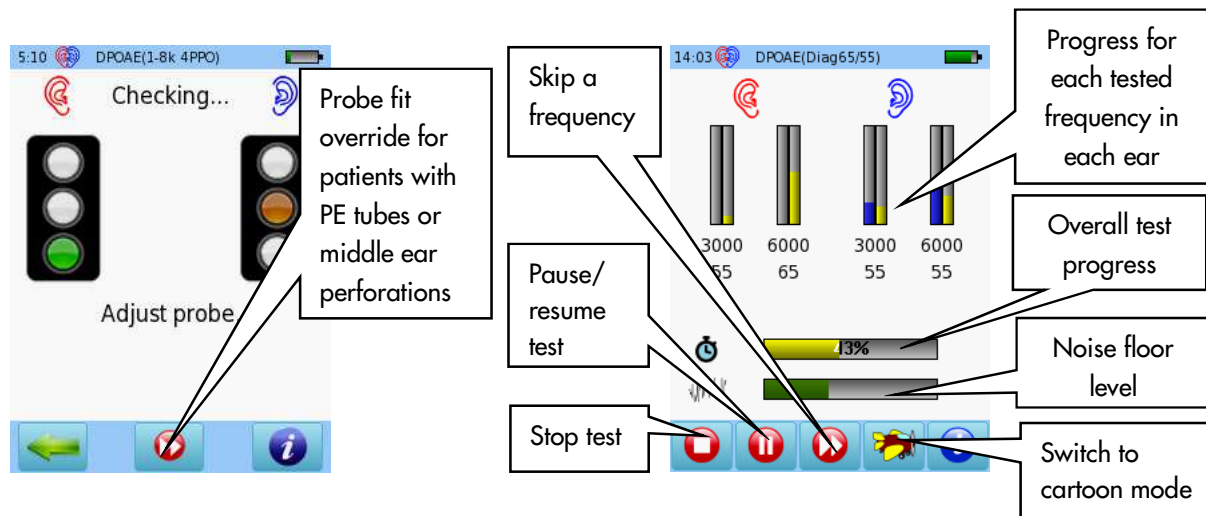
Select the appropriate ear tip size and place it on the probe tip. Insert the probe in the ear making sure that the ear tip fits tightly into the ear canal.

Select the test ear by pressing either the **Right** or **Left** button, or the **Right + Left** button for binaural testing.

Cartoon mode will start the test showing a cartoon instead of the progress bar, this can be changed during the test by tapping on the plane icon at the bottom of the device screen.



A calibration will be performed prior to measurement. A green light indicates successful calibration. After successful ear probe calibration, the test will start automatically.

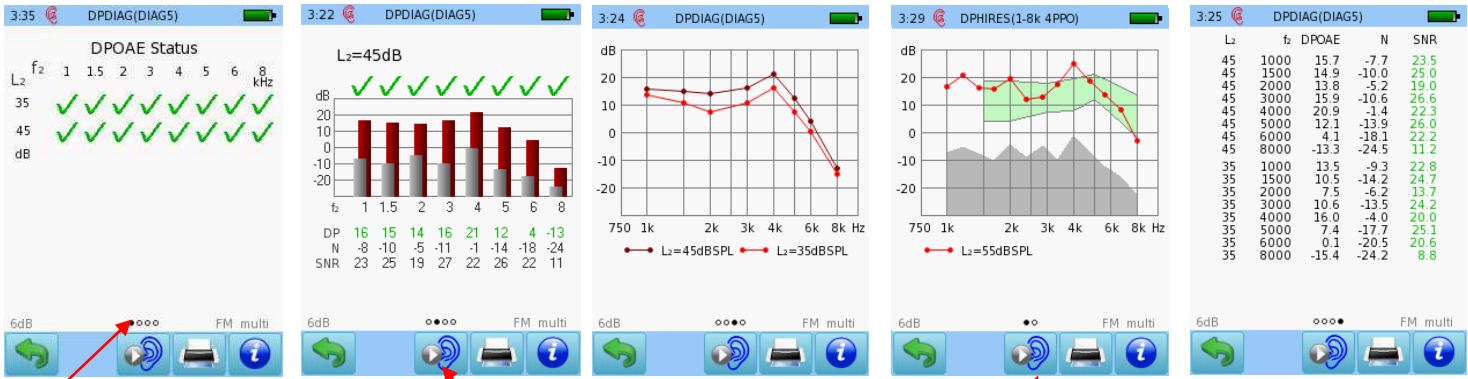


Binaural, multi-frequency testing

# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

### DPOAE DIAGNOSTIC / HIGH RESOLUTION TEST RESULTS



Note: These circles indicate that other screens are available to view. Swipe your finger right or left to get other views.

Print results to a label or to a pdf file

Test other ear

Outcome for each test sorted by f2 and L2.

Multilevel test results shown. Tap on screen to view details for each level tested.

High resolution test results (4 PPO)

Numeric values shown in table format

Green check marks indicate valid response

Red or blue bars indicate response, grey bars indicate noise

### DPOAE THRESHOLD

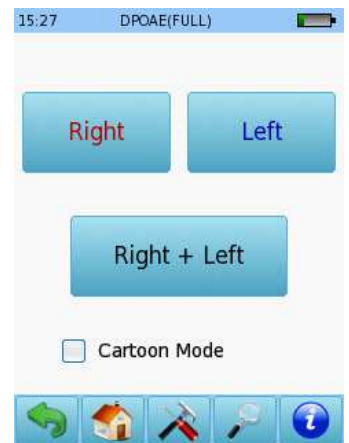
Connect the red probe to the red connector and select one of the Presets for DPOAE Threshold. To perform binaural testing, also connect the blue probe to the blue connector.



Select the appropriate ear tip size and place it on the probe tip. Insert the probe in the ear making sure that the ear tip fits tightly into the ear canal.

Select the test ear by pressing either the **Right** or **Left** button, or the **Right + Left** button for binaural testing.

Cartoon mode will start the test showing a cartoon instead of the progress bar, this can be changed during the test by tapping on the plane icon at the bottom of the device screen.



# QUICK START GUIDE SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

A calibration will be performed prior to measurement. A green light indicates successful calibration. After successful ear probe calibration, the test will start automatically.

The image shows two screenshots of the handheld diagnostic interface. The left screenshot, titled 'DPOAE(1-8k 4PPO)', shows a 'Checking...' screen with two ear probe icons. A green light on the left probe indicates successful calibration. Callouts include: 'Adjust probe.' pointing to the probe icon, and 'Probe fit override for patients with PE tubes or middle ear perforations' pointing to a red arrow button. The right screenshot, titled 'DPOAE(AudioFull)', shows a bar chart of results for frequencies 1.5, 2, 3, 4, 5, 6, and 8 kHz. Callouts include: 'Pause/resume test' pointing to a red arrow button, 'Stop test' pointing to a red stop button, 'Progress for each tested frequency in each ear' pointing to the bar chart, 'Noise floor level' pointing to a vertical bar on the right, 'Skip a frequency' pointing to a red arrow button, and 'Cartoon mode for children' pointing to a cartoon character icon.

## DPOAE THRESHOLD TEST RESULTS

The image shows two screenshots of the 'DPTHRES' (DPOAE Threshold) results screen. The left screenshot shows a grid with a green background for the 0-20 dB range, indicating normal hearing. A blue line with markers shows the test results. The right screenshot shows a red line with markers, indicating a higher threshold. Callouts include: 'Green background indicates range of normal hearing' pointing to the green area, and 'Print results to a label or to a pdf file' pointing to a printer icon at the bottom of both screens.



# QUICK START GUIDE

## SENTIERO HANDHELD DIAGNOSTIC PLUS (BLUE LABEL)

---

### Quick Guide Information

Release date: 2017-01-11  
Revision: 02  
Valid from: Firmware Rev. 2.1, Mira PC Software Rev. 1.6.4  
Applies to: Model: SOH100098, web description SOH03

All mentioned items, products, brands and trademarks are registered or owned by the mentioned companies.

All information, illustrations, and specifications provided within this manual are based on the latest product information available at the time of publication. PATH medical reserves the right to make changes at any time without notice.

Please note that not all products displayed on our webpage or advertising materials are available in all territories. Please contact your local distributor or PATH medical for further information.

The latest revision of the Quick Start Guide is available online at [www.pathme.de/download](http://www.pathme.de/download).

Errors and omissions excepted.

### Copyright Notice

No part of this manual may be reproduced, translated, stored, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written consent of PATH medical GmbH.

Copyright © 2016 PATH medical GmbH

PATH medical GmbH  
Landsberger Straße 65  
82110 Germering  
Germany  
Internet: [www.pathme.de](http://www.pathme.de)

Tel.: +49 89 800 76 502 Fax: +49 89 800 76 503

**CE**  
0124