**QUICK START GUIDE**

**SENTIERO DESKTOP DIAGNOSTIC**

**(WHITE HOUSING)**

### DEVICE CONNECTORS

- On/off button
- Power supply
- USB cable
- Label printer
- Patient response button
- Probe / bone conductor
- Headphones or second transducer
- Air pump

### START MENU

Note: not all Start Menu options will be available depending on the configuration of your device

- Current time
- Battery status
- Customize settings
- Select patient
- Turn off device
- Additional information about options for current screen
TESTING

TYMPANOMETRY

Connect the probe to the red connector and the air cable to the pump connector. From the start menu, select the Immittance button, then select Tymp, and select TIC. Select the test ear by pressing either the Right or Left button. Cartoon mode will show an airplane on the screen during the tympanometry test. Connect a second transducer to the blue connector for Contralateral Reflex testing.

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.

TYMPANOMETRY TEST SCREEN

The system will first check the probe fit and wait for the pressure build up.

Note: The LED light on the probe will pulse at a steady pace to indicate a correct fit. During the test, if the probe tip fit is not correct, the LED light will blink at a fast pace and an error message prompting you to retry or cancel the test will appear on the screen.

Once a proper seal has been obtained, the test will proceed. A tympanometry test will be performed, followed by a reflex measurement (when TIC chosen)
EUSTACHIAN TUBE FUNCTION (ETF) TESTING

Connect the probe to the red connector and the air cable to the pump connector and select the ETF button from the start menu. Select the test ear by pressing either the Right or Left button.

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 type of test you would like to perform: Non Perforated Eardrum, Perforated Eardrum or Patulous Eustachian Tube
Non Perforated Eardrum: This test records three tympanograms, with the patient performing the Toynbee and then Valsavla’s maneuver between the tests. This changes the middle ear pressure, causing the tympanogram peaks to shift between the recordings.

Perforated Eardrum: This test pressurizes the ear canal (and middle ear when the eardrum is perforated). To test the Eustachian tube function, the patient should be instructed to swallow multiple times during the test. If the Eustachian tube opens, pressure will drop. Special care must be taken to ensure an airtight fit of the probe during testing, to make sure the observed pressure drop is through the Eustachian tube and not caused by leakage.

Patulous Eustachian Tube: This test is performed without stimulus. If the Eustachian tube is permanently open, the resulting higher fluctuation of admittance may mean that the rhythms of heartbeat or breathing can be identified in the admittance curve. An airtight fit of the probe during testing is essential.

Distortion Product Otoacoustic Emissions (DPOAE) Screening
Connect the probe to the red connector and select the DPOAE Quick button from the start menu.
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 one of the available Presets. Then select the test ear by pressing either the Right or Left button. Cartoon mode will start the test showing a cartoon instead of the progress bar.

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

BASIC RESULTS VIEW

Please note that the initial result screen depends on the module settings in "DPOAE Preferences"

If the required criteria were met, the result will be PASS. If not, it will be REFER.

Test other ear

Print results to a label or to a pdf file or full page report on PC.

Re-test failed frequencies

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.

DETAILED RESULTS VIEW

Outcome for each test sorted by f2 and L2

Numeric values shown in table format

Red or blue bars indicate response, grey bars indicate noise
DPOAE DIAGNOSTIC / HIGH RESOLUTION

Select one of the Presets for DPOAE Diagnostic and connect the red probe to the red connector. 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.
DPOAE DIAGNOSTIC / HIGH RESOLUTION TEST RESULTS

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.

**Progress for each tested frequency**

**Noise floor level**

**Skip a frequency**

**Cartoon mode for children**

### DPOAE THRESHOLD TEST RESULTS

**Green background indicates range of normal hearing**

**Print results to a label or to a pdf file**

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**Probe fit override for patients with PE tubes or middle ear perforations**

**Pause/resume test**

**Stop test**

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**Adjust probe.**
AUDIOMETRY (Available only on web description SOD09)

Connect the headphones to the blue connector and select an Audiometry Preset from the start menu.

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

TEST SCREEN

- Stimulus on indicator
- Select the frequency
- Stop the test
- Select the type of stimulus: pure tone, pulsed tone, or warble
- Select the ear to test
- Patient response indicator
- Select the stimulus levels
- Stimulus presentation button
- Additional information about options for current screen
AUDIOMETRY TEST RESULTS

Green background indicates range of normal hearing.

Print results to a label or to a pdf file.

AUDIOMETRY SCREENING

Connect the headphones to the blue connector and select the Audiometry: Screening button from the start menu. Select the ear on which you want to start the test.
AUDIOMETRY SCREENING TEST SCREEN

Select the stimulus levels

Select the frequency

Press to present the stimulus

Additional information about options for current screen

Select the type of stimulus: pure tone, pulsed tone, or warble

Stop test

Select the ear to test

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).

Tap three times to get back to blank square.

Once all frequencies have been tested for one ear, you can test the other ear.
When the test is finished, press the Stop button. You can add the patient’s personal data, and save on the device, print to a label (a label printer is required) or print to a pdf file or full page report on PC.
QUICK START GUIDE
SENTEIRO DESKTOP DIAGNOSTIC
(WHITE HOUSING)

Quick Guide Information

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Applies to: Model: SOD100497, web description SOD06, SOD07, SOD08 and SOD09

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