QUICK START GUIDE
SENTIERO ADVANCED DIAGNOSTIC ABR
(GOLD LABEL)

TURNING ON/OFF, CHARGING THE DEVICE

On/off button on right side

Power supply connector

START MENU

Note: this screen (test options) can vary depending on your set up

Current time

Battery status

Customize settings

Select patient

Turn off device

Additional information on options for current screen

AUDITORY BRAINSTEM RESPONSE (ABR) DIAGNOSTIC

Connect the electrode cable to the white connector.
Connect the transducer to the appropriate connector:

- Headphones or insert earphones: blue connector
- Probe: red connector
- Second probe for binaural testing: blue connector
- Bone oscillator: red connector

Clean the patient’s skin and place the electrode pads. Connect the clips to the corresponding sites. Recommended montage is:

![Montage Diagram]

- White: high forehead
- Black: cheek
- Red: mastoid

For binaural testing, place red electrode on the nape.

If you are using an ear probe or insert earphones, 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.

If you are using headphones, place them over the ears.

Select ABR.

Select the protocol you would like to use. To change the parameters, select one of the presets and then the tools button at the bottom of the page:
Click will provide better overall morphology. Chirp will provide better wave V amplitude. Select tone burst or frequency specific chirp for frequency specific testing.

Select type of stimulus and polarity. Masking noise is available only for monaural testing.

Select up to 8 testing intensities. Repeat a level to confirm response repeatability.

Select stimulus rate, maximum number of averages and whether to use Spread Spectrum (recommended).

A lower stimulus rate will provide better wave morphology.

Spread Spectrum reduces sensitivity to electrical interference.
Select the test ear by pressing either the Right or Left button, or Right + Left for binaural testing. Binaural testing is available when headphones, insert phones or two ear probes are connected.
An impedance check will be performed prior to measurement. If impedance is below 6 k ohm, the start button will become available. You can configure the settings for the test to *autostart* if the impedance is lower than 4 k ohm. If impedance is higher than 6 k ohm but below 12 k ohm, a skip button will become available. An impedance below 6 k ohm is recommended for best test results.

If you are using an ear probe, a calibration will be performed together with the impedance check. You can select the simple calibration or the expert calibration mode in the device setup.
ABR DIAGNOSTIC TEST SCREEN

Bars indicate significance level of response

Modify the table of levels to test

Overall EEG. Value should remain in the lower third. Press to enable raw EEG view

Test progress

Stop test

Restart test for current level

Pause / resume

Skip current test level

INTERACTIVE PARAMETERS CHANGES AVAILABLE DURING TEST

Modify intensity levels during test

View raw EEG during test

Mark waves during test

Red (right ear) and blue (left ear) dots indicate wave V detected automatically

Increase test time. This will increase the maximum number of stimuli

Enter peak edit mode

Impedance monitor

Confirm marker position
ABR DIAGNOSTIC TEST RESULTS

Bar graphs indicate the significance of the response. A full bar indicates a valid response.

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

Press for additional options:
- Show traces in test order
- Show traces sorted by level
- Overlay traces of same levels
- Show summed traces for same levels

Print results to a label or to a pdf file
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INTERACTIVE OPTIONS AVAILABLE AFTER TEST

Mark waves after test is finished

Confirm marker position. Marker symbol changes to the corresponding Roman numeral.

Select trace

Move wave marker

Wipe up or down inside the graph area to modify the scale

Switch between wave markers

Latency intensity graph

Numeric values shown in table format

Interaural difference in binaural testing

Test conditions

Latency values shown in table format

Zoom in or out

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Quick Guide Information

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Applies to: Model: SOH100360, web descriptions SOH06, SOH07, SOH08 and SOH09

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