

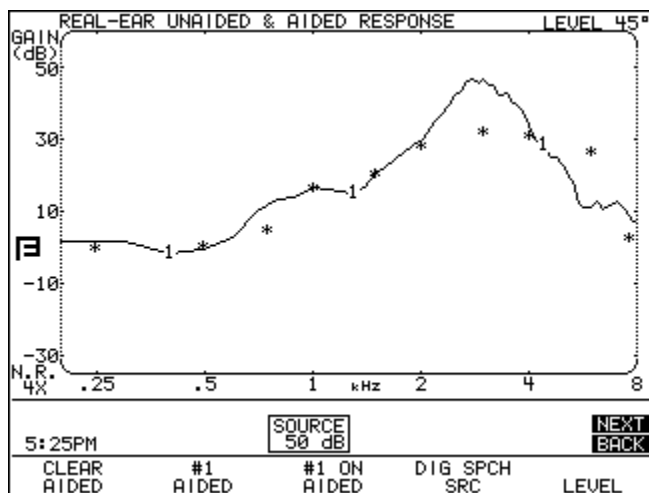
## NEW FEATURES

# FONIX FP35 Hearing Aid Analyzer v6.22

Frye Electronics is pleased to announce version 6.22 of the FONIX FP35 Hearing Aid Analyzer. Most existing analyzers can easily be updated to the new software changes (required hardware changes are also possible).

### Full-Sized Real-ear Displays

You asked. We listened. The Real-ear Unaided & Aided and the Real-ear SPL test screens have long had a graph on one side of the FONIX FP35 analyzer display, and a column of information about the measurements to the right of the graph. You can now switch views to a full-sized graph that takes up almost the entire FP35 analyzer display. You can switch between these displays by using the local menu or by using the left and right arrow keys.



### Gain Targets

We have further altered the Real-ear Unaided & Aided test screen by adding gain targets. Insertion Gain targets have always been available in the Insertion Gain screen, but until now, we have not had straight Gain targets. However, many clinicians prefer viewing absolute gain instead of insertion gain, so we have now made these Gain targets available. This only affects the Real-ear Unaided & Aided test screen.

### More Digital Speech Improvements

Recent new advanced hearing aids have become increasingly picky when it comes to delays and timing in our Digital Speech signal. In order to

keep up with them, we have changed the default timings of the Digital Speech signal and made an additional menu setting (SPCH BURST TIME) to allow the advanced user to directly alter these timings. This change comes on top of other analysis changes to the Digital Speech signal that we made earlier this year. Together, they ensure we are providing the clinician with the most accurate hearing aid measurements possible.

### New Test for Frequency-Shifting Hearing Aids

Hearing aids that shift the frequency response of the input signal have enjoyed increasing popularity in recent times. We have added a new test to the FP35 analyzer that presents a single (or double) tone to the hearing aid and graphs the entire frequency response. This allows the user to verify that the hearing aid is correctly shifting the frequency response of the signal.

### 1/3rd Octave Analysis

We have added 1/3 Octave analysis to the Real-ear SPL and Coupler Multicurve test screens. This analyzes the hearing aid response with 1/3 Octave analysis instead of the 100 Hz-based FFT that Frye analyzers have always used. This change will make it easier to compare results with competing analyzers that use fractional octave analysis.

### Battery Current Drain

The new FP35 hardware now allows for the measurement of battery current drain. This is a feature that has long been requested by our customers. (Battery pill purchase required.)

### Updated NAL-NL1 Targets

We have implemented a modified version of the NAL-NL1 target more suitable for fitting low gain hearing aids such as Open Fit styles. These targets match the SPL targets found on some competing analyzers. The standard NAL-NL1 targets are also still available.



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