

All new FP35 analyzer sales now include the Composite/Digital Speech Option!

### Composite Signal

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The Composite signal is a broadband test stimulus with speech weighting. When the Composite signal is used, the hearing aid's frequency response is shown as a real-time graph that updates

79 different points simultaneously. This gives you instant information about the entire frequency response of the hearing aid without needing to wait for a frequency sweep to complete.

### Digital Speech

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Digital Speech is a modulated version of the Composite signal. While the Composite signal is a constant noise stimulus, Digital Speech is turned on and off randomly. It is designed to accurately test noise suppressing hearing aids that may treat the constant Composite signal as background noise.

By comparing the hearing aid's response to the Digital Speech signal and its

response to the Composite signal, you can determine how much hearing aid is suppressing noise.

This is a very useful test that can ensure the noise suppression feature of the advanced digital hearing aid is working properly. The Composite/Digital Speech feature also gives you the ability to perform Visible Speech measurements, explained in the next section.

### Visible Speech

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Visible Speech is included as part of the Real-ear SPL test screen. In Visible Speech mode, the FP35 analyzer shows the hearing aid's response to a live voice or prerecorded external signal. You can choose to view the results either in terms of a long term average response over the time of the test, or a series of bars that show the minimum and maximum

peaks. All of this is displayed together on one graph with the patient's thresholds and uncomfortable levels.

The FP35 analyzer now includes an external input connection, giving you the ability to use the pre-recorded signal of your choice from a connected CD or MP3 player during your Visible Speech measurements.



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