

Bravo B11

100% digital, power BTE

- Programmable (SP3 or Compass)
- High Level Compression
- 2 channel DSP
- Digital Volume Control



The Bravo Digital Signal Processor (DSP) works with 20-bit representation of the signal and a sampling rate of 32 kHz. Bravo B11 is a superbly engineered hearing aid in the renowned Widex tradition.

Bravo B11 features include:

- 2 channel DSP (Digital Signal Processing).
- High Level Compression assuring comfortable reproduction of loud sounds.
- Fixed crossover frequency at 1500 Hz.
- Special digital fitting philosophy based on keyed-in audiometric values.
- Feedback Risk Management for reduction of acoustic feedback.
- Digital Volume Control (± 6 dB range) with beep-tone adjustment indicator.
- M, MT, and T program switch. The telecoil frequency response is equalized, making it identical to that of the microphone.
- Long battery life of approximately 375 hours.
- Low battery beep-tone indicator.
- Minimal audible internal noise due to special processing.
- Direct audio input.
- Tamper-resistant battery drawer.
- Available in new Widex translucent colors.
- CROS and BiCROS adaptor available.
- Mini-hook available for small ears.

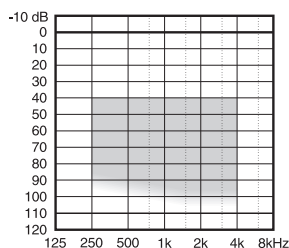
B11 is fine tuned with three parameters:

- LF = Low frequency gain
- HF = High frequency gain
- MPO = Maximum power output

Recommended for:

- Moderate to severe-to-profound hearing losses.
- Flat and moderately sloping hearing losses.

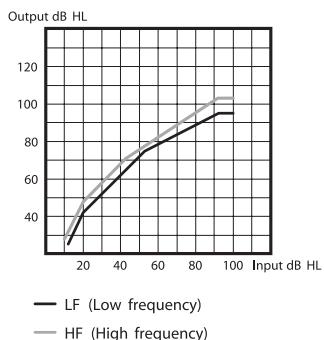
Suggested fitting range





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High Level Compression (HLC)



The HLC system used in the Bravo B11 models provides compression for signals at and above normal speech levels. The compression ratio is fixed at 1:2 in the low frequency channel and 1:1.5 in the high frequency channel. For normal and soft signals the HLC system provides a frequency gain characteristic derived from the NAL fitting rule.

Programming

Bravo B11 can be programmed using the SP3 portable programmer or via a PC using NOAH/Compass software. Please refer to the Bravo series programming manual.

Feedback Management

If the ideal gain required for compensating for a certain hearing loss exceeds the limit for the earmould, acoustic feedback will occur. To solve this problem the high frequency gain may have to be reduced. The programmable parameter "HF" allows the gain in the high frequency channel to be reduced without affecting the gain in the low frequency channel and it therefore functions as feedback control.

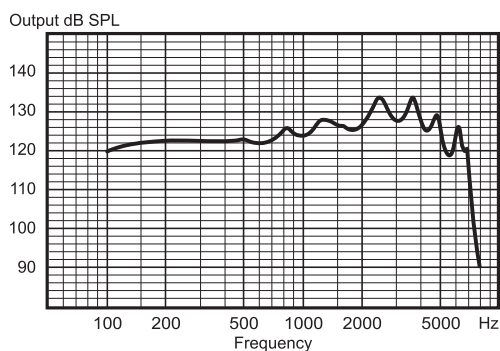
Technical Data

	IEC 711 Ear simulator	2cc Coupler
OSPL90 Peak	134 dB SPL	125 dB SPL
1 kHz	125 dB SPL	120 dB SPL
HAIC	124 dB SPL	119 dB SPL
Harmonic Distortion (HAIC)	1.0 %	0.7 %
Battery Drain (st. by)	0.65 mA	
Battery Drain	0.70 mA	
Battery Type 13 Zn-Air (270 mAh)*	375 hours	
Telecoil TLS**	+ 2 dB	
IRIL (GSM/DCS interference level)	5/15 dB SPL	

* Typical data measured in Test mode.

** A telecoil input of 100 mA/m will equal a microphone input of 70 dB SPL.

Maximum Output (Ear Simulator - IEC711)



Maximum Output (2cc Coupler - IEC126)

