

Latitude™ 16 Shift™

10A BTE Canal Receiver Technology (CRT)

Signature Features

SmartFocus™

Provides clients with the ability to adjust for added speech focus or for more listening comfort, using the combination of four adjustable parameters:

- Microphone strategy
 - Speech enhancement
 - Noise reduction
 - Overall gain
- Parameters are customizable in both the automatic and manual programs

Enhanced AutoPro3™ with smartFocus™

Allows clients to experience superior automatic performance with fast, smooth transitions between 3 distinct destinations

Enhanced Feedback Management System

Offers adjustable strengths to suppress various degrees of feedback and provide more usable gain

Self Learning

Gradually and intelligently learns client preferences for smartFocus™ parameters and volume control in the automatic program

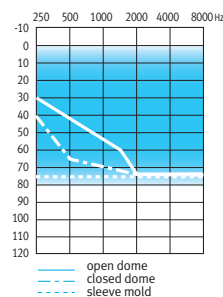
Smart Control (optional)

A hand-held remote control providing access to an array of adjustable parameters, including smartFocus

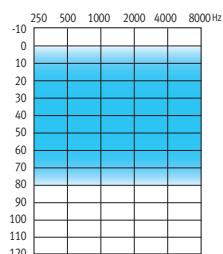
Additional Features

- 16 channels, 16 bands
- Automatic program (3 destinations) + 3 manual programs
- Multiple microphone options: omnidirectional, fixed directional, and multiband adaptive directional
- Speech Enhancement LD
- Noise Reduction
- AntiShock™
- MyMusic™
- Wind Noise Manager
- Data logging
- OptimumFit™ xS with intelliVent technology
- Telecoil

Fitting Guide



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Latitude 16 Shift



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Latitude 16 Shift OptimumFit xS

Latitude™ 16 Shift™ is suitable for fitting mild to moderately severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

Latitude 16 Shift		Latitude 16 Shift	
ANSI 3.22 1996/ANSI 3.22 2003/IEC 118-7 2CC COUPLER TECHNICAL DATA		IEC 118-0 OES COUPLER TECHNICAL DATA	
Reference Test Frequency ANSI IEC 118-7	HFA 1.6 kHz	Reference Test Frequency IEC 118-0	1.6 kHz
OSPL90 Maximum HFA at RTF	109 dB 104 dB 103 dB	OSPL90 Maximum at RTF	119 dB 111 dB
Full on Gain (input 50 dB) Maximum HFA at RTF	44 dB 36 dB 35 dB	Full on Gain (input 50 dB) Maximum at RTF	55 dB 44 dB
Basic Frequency Response Frequency Range (Hz) Reference Test Gain (ANSI 1996/ANSI 2003)	<100-7700 27 dB	Basic Frequency Response Frequency Range (Hz) (DIN 45605) Reference Test Gain	<100-8000 37 dB
Induction Coil Sensitivity (ANSI 1996/ANSI 2003, 31.6 mA/m) HFA SPLITS STS/RSETS	87 dB 1 dB	Induction Coil Sensitivity Graph shown for 31.6 mA/m at RTG at RTF (1 mA/m at Full On Gain) Maximum at RTF	99 dB 86 dB 75 dB
Current Drain at RTG	1.15 mA	Current Drain at RTG	1.15 mA
Typical Battery Life	80 h	Typical Battery Life	80 h
Equivalent Input Noise at RTG	24 dB	Equivalent Input Noise at RTG	24 dB
Total Harmonic Distortion at 500 Hz at 800 Hz at 1600 Hz	1.0% 0.5% 0.5%	Total Harmonic Distortion at 500 Hz at 800 Hz at 1600 Hz	1.0% 1.0% 0.5%
EMC ratings by ANSI C63.19-2001 EMC, Omni/Telecoil	M4/T4	EMC immunity by IEC 60118-13, Field Strength 75/50 V/m, Omni mode IRIL Low/High band dB SPL	40/40

Test Conditions:

Battery: 10A

Source: Voltage 1.3 V

The measurements obtained with a closed configuration using a HA-1 coupler (ANSI-3.7-1995) or occluded ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard).

The hearing instrument set to linear, omni mode with all adaptive features disabled.

Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized ear mold. We reserve the right to change specification data without notice as improvements are introduced.