

Latitude™ 16 Fuse™

10A Crossover

Signature Features

SmartFocus™

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

- 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

Design Features

Articulating joint – Flexes with the natural movement of the ear canal to reduce pressure points, creating a comfortable fit

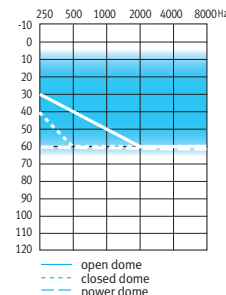
Dual-flow™ vents – Uniquely shaped twin venting designed to provide an open style fit for reduced occlusion and more natural sound

Secure-fit tab – Optional for clients with large ear canals, secure-fit tab offers a secure and safe fit. Many clients can enjoy Fuse without the secure-fit tab. Follow the instructions in the Complete Guide to Fuse for appropriate use or removal

Additional Features

- 16 channels
- Automatic program (3 destinations) + 3 manual programs
- Omnidirectional microphone
- Speech Enhancement LD
- Noise Reduction
- AntiShock™
- MyMusic™
- Wind Noise Manager
- Data logging

Fitting Guide



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Latitude 16 Fuse

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

Latitude 16 Fuse		Latitude 16 Fuse	
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 1.6 kHz	109 dB 104 dB 104 dB	OSPL90 Maximum Output at 1.6 kHz	119 dB 111 dB
Full on Gain (input 50 dB) Maximum HFA at 1.6 kHz	40 dB 34 dB 33 dB	Full on Gain (input 50 dB) Maximum at 1.6 kHz	50 dB 40 dB
Basic Frequency Response Frequency Range (Hz) Reference Test Gain (ANSI 1996/ANSI 2003)	150-8000 27 dB	Basic Frequency Response Frequency Range (Hz) (DIN 45605) Reference Test Gain	150-8000 35 dB
Induction Coil Sensitivity (ANSI 1996/ANSI 2003, 31.6 mA/m) HFA SPLITS STS/RSETS	N/A N/A	Induction Coil Sensitivity Graph shown for 31.6 mA/m at RTG at RTF (1 mA/m at Full On Gain) Maximum at RTF	N/A N/A N/A
Current Drain at RTG	1 mA	Current Drain at RTG	1 mA
Typical Battery Life	100 h	Typical Battery Life	100 h
Equivalent Input Noise at RTG	22 dB	Equivalent Input Noise at RTG	22 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% 1.0%
EMC ratings by ANSI C63.19-2001 EMC, Omni/Telecoil	M4	EMC immunity by IEC 60118-13, Field Strength 75/50 V/m, Omni mode IRIL Low/High band dB SPL	37/37

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.

Before fitting a Fuse, it is important to establish that the patient is a suitable candidate for this type of hearing instrument. Please see the instructions in the Complete Guide to Fuse. 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.

