Moxi™ Pro

312 BTE canal receiver technology (CRT)

Signature features

20 channels

SpeechZone using binaural spatial processing

SpeechZone™ is the new feature in Pro hearing instruments that automatically lets clients clearly enjoy conversations even in the toughest listening situations. SpeechZone, enabled by binaural spatial processing, is activated when the hearing instruments determine speech is coming from the front in a noisy environment - then both hearing instruments really zone in on speech

Automatic program with SmartFocus

Clients can experience superior automatic performance with the optimal blend of 3 listening environments plus a unique specialized treatment of music. In addition, the integration of SmartFocus™ further improves speech understanding in noise or provides optimal comfort automatically

Natural Sound Balance

An adaptive feature to minimize artifacts that can occur when amplified sound combines in the ear canal with direct sound. Natural Sound Balance continuously monitors these sounds and makes precision adjustments to preserve a clear, balanced signal

Automatic Adaptation Manager

Allows for an automatic and smooth adjustment period for the client; providing the best possible first fit acceptance combined with maximum long-term benefit for speech understanding

Pinna Effect

This feature uses sophisticated calculations to recreate natural directionality

Feedback manager

Feedback manager offers maximum usable gain by suppressing feedback transients before they become audible

Wireless technology

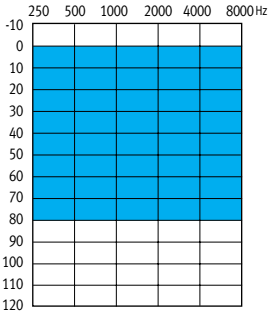
Binaural Phone – streams audio to the non-phone ear, allowing for binaural hearing while using a phone

DuoLink – program, volume and SmartFocus adjustments conducted on one hearing instrument are automatically transferred to the other ear

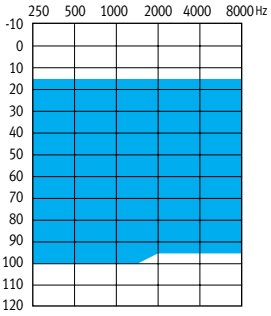
uDirect™ 2 (optional) – wireless interface between hearing instruments and Bluetooth® enabled devices (eg. cell phones)

uTV™ 2 (optional) – streams audio from a TV or audio source to the uDirect 2

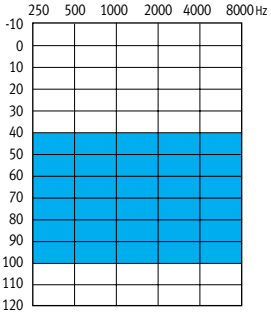
Fitting guides



Moxi Pro (xS)



Moxi Pro power (xP)



Moxi Pro super power (xSP)

Moxi Pro is suitable for fitting mild to severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

Additional features

- Multiband adaptive directional microphone
- 3 manual + 3 wireless streaming programs
- AntiShock™
- Self learning and LearnNow™
- MyMusic™
- Wind noise manager
- IntelliVent technology available on custom ear pieces
- Speech enhancement LD
- Noise reduction
- Data logging
- Easy-t and telecoil
- DAI through uDirect/uDirect 2
- Optional remote controls
- Optional Smart Alert System
- Optional wireless programming with iCube

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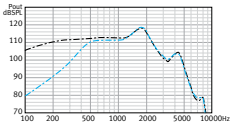
Moxi Pro 312 CRT

ANSI 3.22 2003/IEC 118-7 2CC COUPLER TECHNICAL DATA

	Moxi Pro standard (xS receiver)	Moxi Pro power (xP receiver)	Moxi Pro super power (xSP receiver)
Reference test frequency - IEC 118-7 (kHz)	1.6	1.6	1.6
OSPL90			
Maximum (dB SPL)	112	126	129
Nominal (dB SPL)	109	123	126
ANSI HFA (dB SPL)	105	118	120
at RTF (dB SPL)	104	120	124
Full on gain (input 50 dB SPL)			
Maximum (dB)	45	55	61
ANSI HFA (dB)	39	48	55
at RTF (dB)	38	49	60
Basic frequency response (ANSI 2003)			
Frequency range (Hz)	‹100-8300	‹100-7300	‹100-5500
HFA reference test gain (dB)	28	41	43
Current drain at RTG (mA)	1.15	1.25	1.2
Typical battery life (h)	141	130	135
Equivalent input noise at RTG (dB SPL)	19	18	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.0/1.0	1.5/1.0/0.5	0.5/0.5/0.5
Induction coil sensitivity (ANSI 2003, 31.6 mA/m)			
HFA SPLITS/STS-RSETS (dB SPL/dB)	88/0	101/0	103/0



Moxi xSP: mic at 70 dB SPL vs induction coil at 100 mA/m

– – Mic
– – Induction coil

Electromagnetic compatibility			
EMC immunity by ANSI c63.19-2001 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4

IEC 118-0 OES COUPLER TECHNICAL DATA

Reference test frequency - IEC 118-0 (kHz)	1.6	1.6	1.6
OSPL90			
Maximum (dB SPL)	121	132	133
at RTF (dB SPL)	113	129	132
Full on gain (input 50 dB SPL)			
Maximum (dB)	56	65	69
at RTF (dB)	46	58	68
Basic frequency response			
Frequency range (DIN 45605) (Hz)	‹100-8600	‹100-7500	‹100-5800
Reference test gain (dB)	39	51	57
Current drain at RTG (mA)	1.15	1.2	1.2
Typical battery life (h)	141	135	135
Equivalent input noise at RTG (dB SPL)	19	18	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.5	1.5/1.5/1.0	1.0/1.0/0.5
Induction coil sensitivity			
at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	99	109	117
Electromagnetic compatibility			
EMC immunity by IEC 60118-13, field strength 75/50 V/m, omni IRIL low/high band (dB SPL)	42/46	42/46	42/46

LEGEND

— Moxi Pro xS
— Moxi Pro xP
— Moxi Pro xSP

TEST CONDITIONS

Battery size: 312; Source: voltage 1.3 V

The measurements obtained with a closed configuration using an 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 earmold.

Sound pressure level of these hearing aids exceeds 132 dB SPL.

We reserve the right to change specification data without notice as improvements are introduced.