

Element™ 8 Moda™

10A BTE

AutoMic

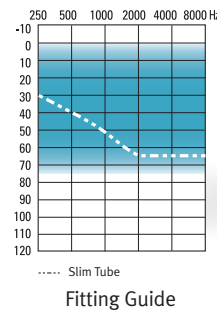
8 Channels, 8 Bands, Adaptive Directionality

HEARING AID FEATURES

- AutoMic automatically switches between omni and directional mode within a single program. The fitter has the choice of setting the directional microphone to fixed or adaptive.
- Adaptive directional microphone system tracks and suppresses moving noise sources, while focusing on sounds from the front
- Noise reduction analyzes input and automatically reduces noise signals independently in each of the 8 bands
- Speech enhancement analyzes the input signal and automatically emphasizes speech signals independently in each of the 8 bands
- AntiShock instantaneously reduces the level of impulse noises such as a door slam, while maintaining the quality and intelligibility of speech
- Phase canceller continuously monitors for feedback and accurately calculates and applies the required counter signal for feedback cancellation
- Wind noise manager intuitively engages based on moderate or high wind conditions
- 8 channels provide high resolution signal processing
- Choice of 2 processing strategies (WDRC and Linear Limiting) for increased fitting flexibility
- 3 additional manual programs provide customization for individual needs and preferences
- Data logging accurately records the wearer's usage and manual program use
- Low battery warning
- Start up delay
- On/Off by opening or closing the battery door
- Element 8 can be programmed using NOAH-compatible U:fit™ and Standalone U:fit fitting software
- Battery Size: 10A

OPTIONS

- Slim tube coupling for instant open fittings
- Filtered earhook
- Choice of shell colors
- Easy-t provides automatic switching to a dedicated telephone program



Element 8 Moda is suitable for fitting mild to moderately severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

Element 8 Moda 10A BTE

ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA		IEC 118-0 OES COUPLER TECHNICAL DATA		
Reference Test Frequency ANSI IEC 118-7	Element 8 Moda Slim Tube (optional) HFA 2.5 kHz	Element 8 Moda Unfiltered Earhook (standard) HFA 1.6 kHz	Element 8 Moda Slim Tube (optional) 2.5 kHz	Element 8 Moda Unfiltered Earhook (standard) 1.6 kHz
OSPL₉₀ Maximum HFA at RTF	117 dB 102 dB 105 dB	125 dB 117 dB 117 dB	123 dB 116 dB	130 dB 126 dB
Full on Gain (input 50 dB) Maximum HFA at RTF	43 dB 31 dB 31 dB	47 dB 43 dB 42 dB	48 dB 42 dB	54 dB 50 dB
Basic Frequency Response Frequency Range (Hz) Reference Test Gain (ANSI 1996)	100-5600 25 dB	230-6200 40 dB	270-5600 35 dB	260-6500 43 dB
Induction Coil Sensitivity (ANSI 1996, 3±.6 mA/m) HFA SPLITS STS	86 dB 1 dB	101 dB 1 dB	76 dB 70 dB	85 dB 83 dB
Current Drain at RTG	1.1 mA	1.1 mA	1.1 mA	1.1 mA
Typical Battery Life	80 h	80 h	80 h	80 h
Equivalent Input Noise at RTG	23 dB	15 dB	20 dB	10 dB
Total Harmonic Distortion				
at 500 Hz	2%	1%	2%	1%
at 800 Hz	1%	1%	1%	1%
at 1600 Hz	1%	1%	1%	1%
EMC immunity by IEC 118-13, Field Strength 75/50 V/m, Omni mode				
IRIL Low/High band dB SPL	38/43	38/43	38/43	38/43

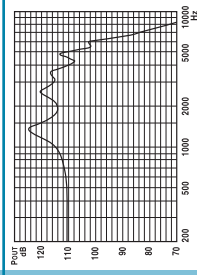
We reserve the right to change specification data without notice as improvements are introduced.



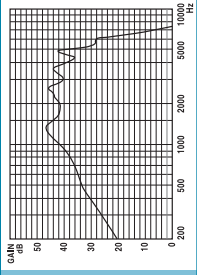
ANSI S3.22-1996 / IEC 118-7 2CC COUPLER TECHNICAL DATA

Reference Test Frequency
ANSI
IEC 118-7

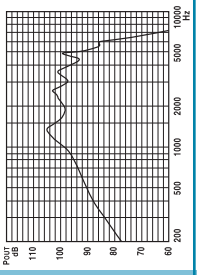
OSPL₉₀
Maximum
HFA
at RTF



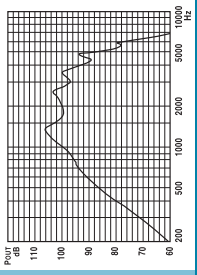
Full on Gain
(input 50 dB)
Maximum
HFA
at RTF



Basic Frequency Response
Frequency Range (Hz)
Reference Test Gain (ANSI 1996)



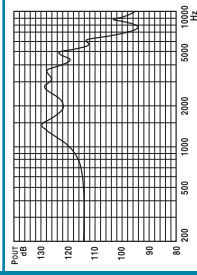
Induction Coil Sensitivity
(ANSI 1996, 3±.6 mA/m)
HFA SPLITS
STS



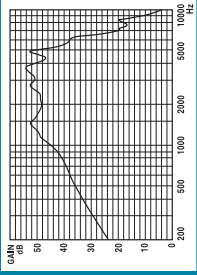
IEC 118-0 OES COUPLER TECHNICAL DATA

Reference Test Frequency
IEC 118-0

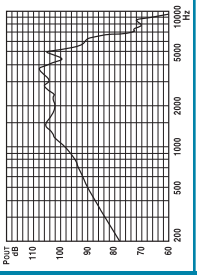
OSPL₉₀
Maximum
at RTF



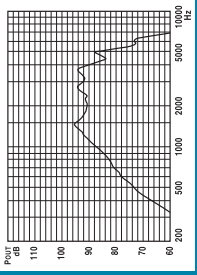
Full on Gain
(input 50 dB)
Maximum
at RTF



Basic Frequency Response
Frequency Range
in Hz (DIN)
Reference Test Gain



Induction Coil Sensitivity
(1 mA/m)
Maximum
at RTF



— Element 8 Moda (unfiltered earhook)

Test Conditions:

- Battery: 10A
- Source: Voltage 1.3 V
- Earhook: Unfiltered
- Tubing: Length 25 mm; Inside Diameter 1.93 mm

The measurement data obtained with hearing aid set to linear, omni mode with all adaptive features disabled.