

STANDARD FEATURES

- 100% Digital
- One Channel device with Linear Processing
- Concealed trimmer adjustments for Active Low Cut, Active High Cut, Gain and AGC-o
- Omni Mic windshield incorporated in earhook
- Numbered Volume Control with On/Off switch
- Power Telephone coil accessed through push button with Tone Indicator

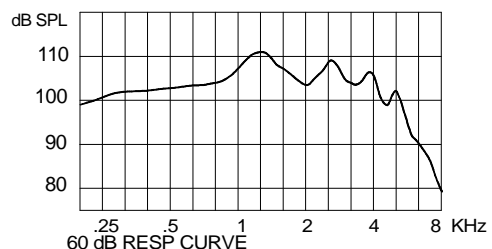
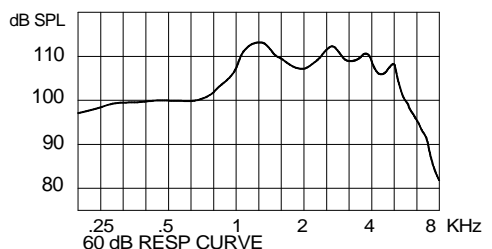
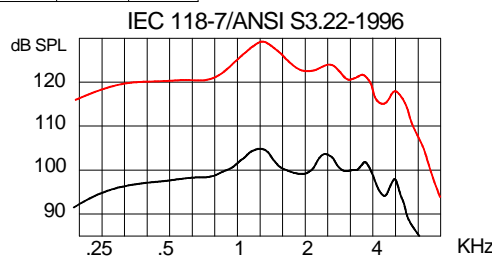
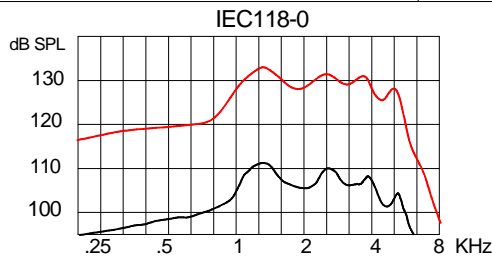
Performance Data:

			Coupler 2cc IEC 118-7/94	Coupler MZ (711) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	Limits
SATURATION (OSPL 90)	Peak	dB SPL	128	133	128	+/- 3
	F Reference	dB SPL	124	131		+/- 3
	HF Average	dB SPL			124	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	55	62	55	+/- 4
	F Reference	dB	52	58		+/- 4
	HF Average	dB			52	+/- 4
Nominal Reference Test Gain (RTG)		dB	45	51	47	
Frequency Range		Hz	200-7100			
Volume Control Range		dB	>45			
Total Harmonic Distortion at RTG: 70 dB SPL in	500 Hz	%	3	3	5	<4
	800 Hz	%				
	1600 Hz	%				
65 dB SPL in		%				<4
Equivalent Input Noise Level		dB	30	30	30	<33
		dB				<33
Maximum Telecoil Sensitivity FOG; Input 10mA/m @ RTF		dB	103	95	95	
	RTG; Input 31.6mA/m @ RTF	dB				
	FOG; Input 31.6mA/m @ RTF	dB				
SPLITS @ RTF HF Average		dB			105	
		dB			108	
STS		dB			3.0	
		dB				
Supply Current at RTG	input dB SPL		60	65		
	mA		1.00	1.30		<1.40
Battery Life Type13 Zinc-Air(220mAh) hrs			215	165		
	Type13 Zinc-Air HighPower(200mAh) hrs		195	150		
AGC @ 2KHz	Attack	mS	10	10	10	+/-50%
	Release	mS	120	120	120	+/-50%
Reference Test Frequency(RTF)		Hz	1600	1600	1000	



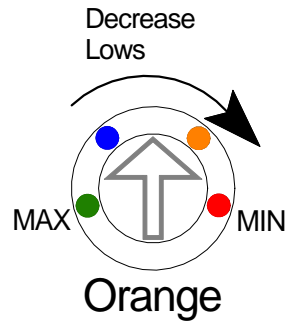
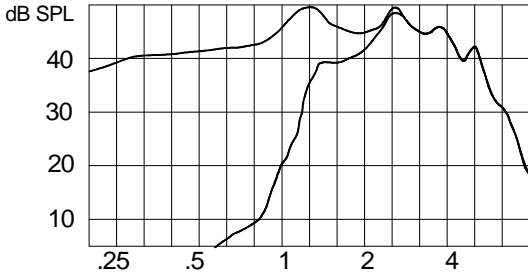
Description

- The Simplex BTE is a One Channel Digital signal processor equipped with multiple trimmers that allow the hearing aid professional to fine tune to the patients loss.
- Push-Button Select switch allows the user to switch to the Telecoil function.
- Active Low Frequency Tone control
- Active High Frequency Tone control
- Gain control
- Output Compression Limiting (AGC-o)
- Preset low level Expansion (1:2) for quieter performance
- Battery type: Zinc-Air Size 13
- Low Battery Indicator and Program change Tone

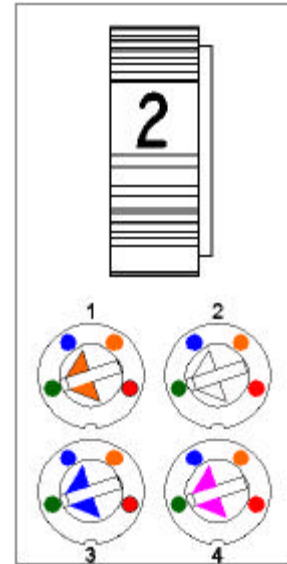
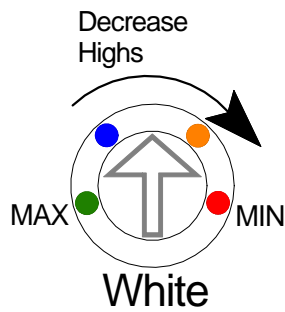
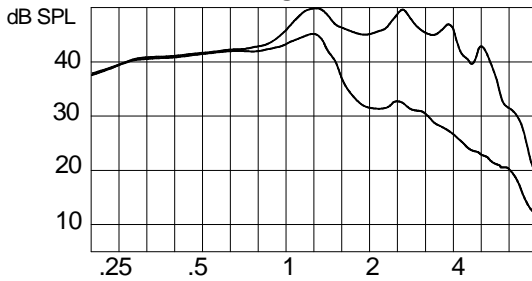


Digital Trimmer Range of Control

Effect of Active Low Cut trimmer @ RTG

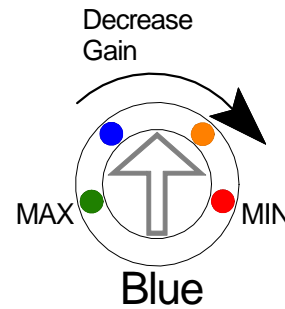
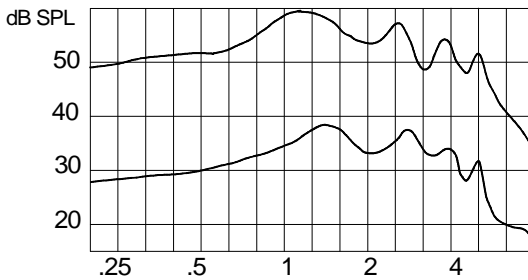


Effect of Active High Cut trimmer @ RTG

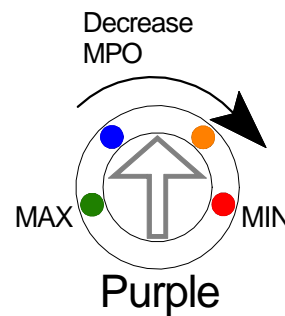
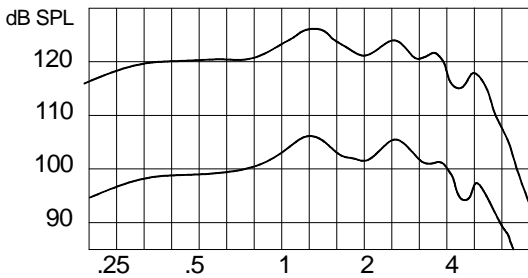


- 1) Low Cut Tone (orange)
- 2) High Cut Tone (white)
- 3) Gain (blue)
- 4) AGC-o (purple)

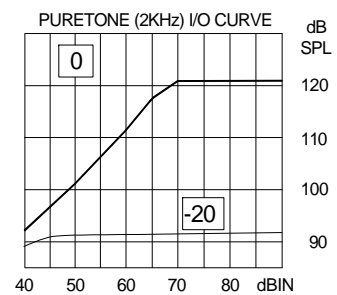
Effect of Gain trimmer @ FOG



Effect of AGC-o trimmer @ FOG



Output



Overall Dimensions
 Height: 1.20" (30mm)
 Width: 0.45" (11.40mm)
 Thickness: 0.35" (9.00mm)