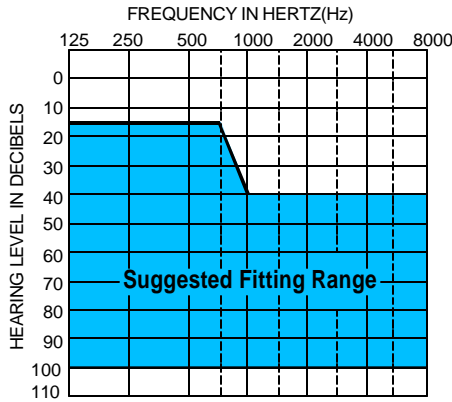


BTE 478



STANDARD FEATURES

- 100% Digital
- High output / High gain device
- 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	136	143	136	+/- 3
	F Reference	dB SPL	128	136		+/- 3
	HF Average	dB SPL			130	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	78	80	78	+/- 4
	F Reference	dB	68	75		+/- 4
	HF Average	dB			68	+/- 4
Nominal Reference Test Gain (RTG)		dB	53	61	53	
Frequency Range		Hz	200-5100			
Volume Control Range		dB	>45			
Total Harmonic Distortion at RTG:						
70 dB SPL in	500 Hz	%	1	1	3	<4
	800 Hz	%			1	<4
65 dB SPL in	1600 Hz	%			1	<4
Equivalent Input Noise Level		dB	15	15	15	<22
Maximum Telecoil Sensitivity						
FOG; Input 10mA/m @ RTF		dB	118			
RTG; Input 31.6mA/m @ RTF		dB		108		
FOG; Input 31.6mA/m @ RTF		dB			115	
SPLITS @ RTF		dB			115	
	HF Average	dB			112	
STS		dB			-1.5	
Supply Current	input dB SPL		60	65		
at RTG	mA		1.40	1.50		<1.65
Battery Life	Type 675 Zinc-Air (600mAh) hrs		420	390		
	Type 675 Zinc-Air HighPower (640mAh) hrs		450	420		
AGC @ 2KHz	Attack	mS	10	10	10	+/-50%
	Release	mS	120	120	120	+/-50%
Reference Test Frequency(RTF)		Hz	1600	1600	1000	



Description

The 478 BTE is a Single Channel high output / high gain Linear 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 powerful Telecoil function.

Active Low Frequency Tone control

Active High Frequency Tone control

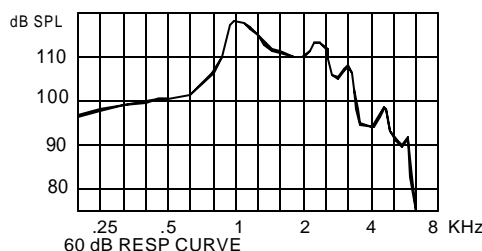
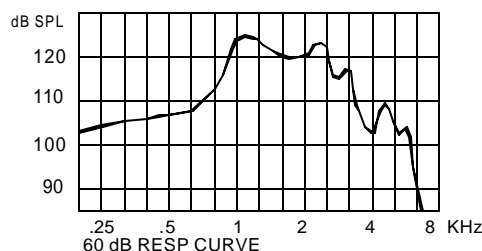
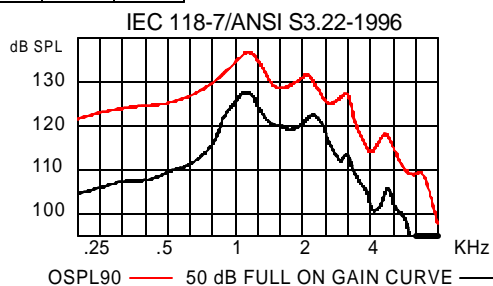
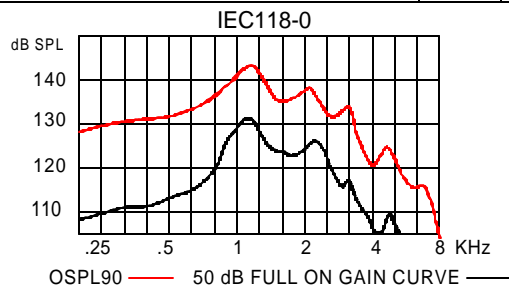
Output Compression Limiting (AGC-o)

Gain control

Preset low level Expansion (1:2) for quieter performance

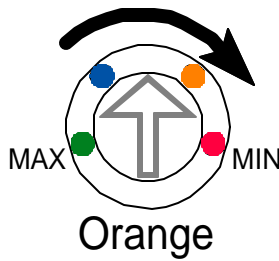
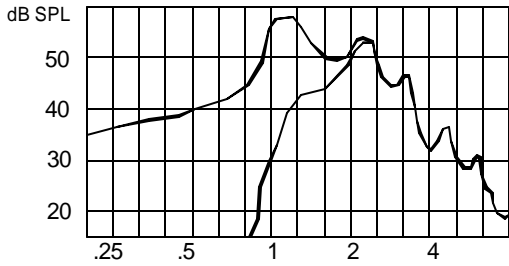
Battery type: Zinc-Air Size 675 (high-power recommended)

Low Battery Indicator and Program change Tone

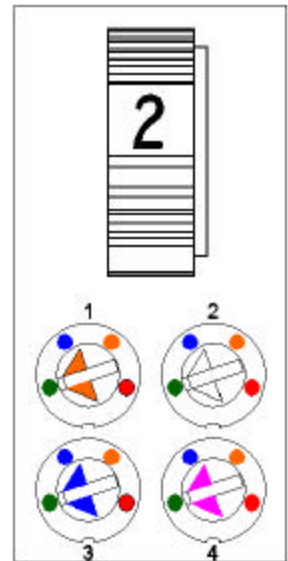
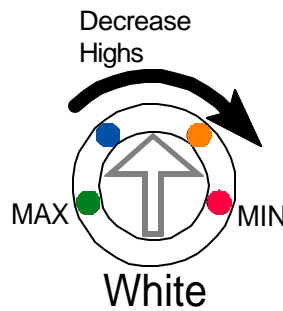
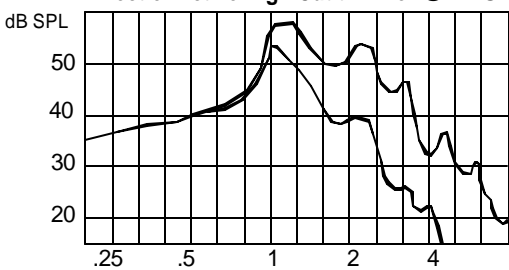


Digital Trimmer Range of Control

Effect of Active Low Cut trimmer @ RTG

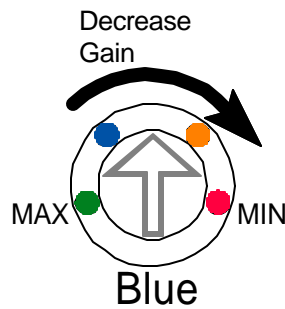
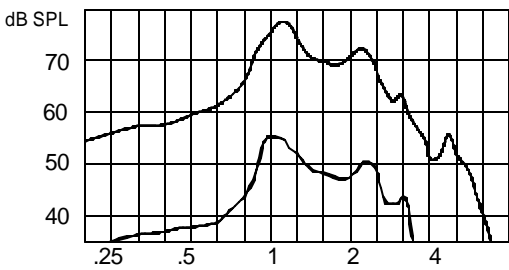


Effect of Active High Cut trimmer @ RTG

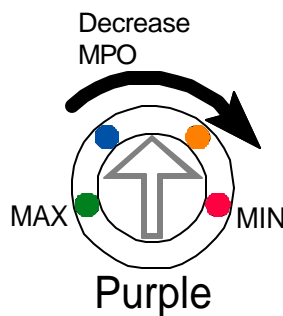
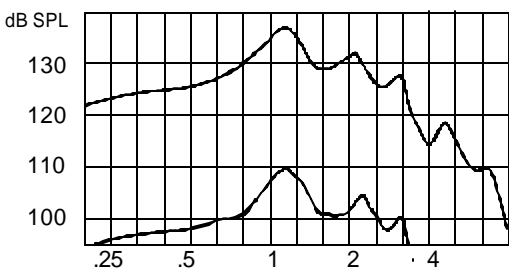


- 1) Low Cut Tone (orange)
- 2) High Cut Tone (white)
- 3) Gain (blue)
- 4) AGC-o (purple)

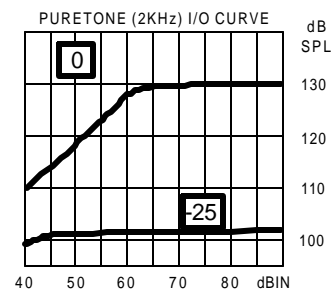
Effect of Gain trimmer @ FOG



Effect of AGC-o trimmer @ FOG



Output



Overall Dimensions	
Height:	1.75" (45mm)
Width:	0.56" (14.25mm)
Thickness:	0.41" (10.40mm)