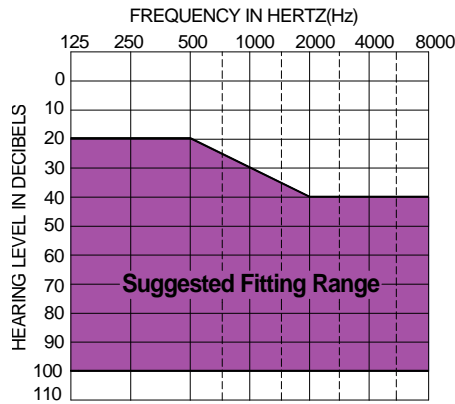


OPTI-TRIM



STANDARD FEATURES

- 100% Digital
- Concealed trimmer adjustments for Active Low Cut, Active High Cut and AGC-o
- Power Telephone coil accessed through push button with Tone Indicator

- On/Off Switch built into Battery Door
- Numbered Volume Control
- Push On replaceable earhook

OPTIONS

- Housings available in Beige, Gray and Brown
- Battery Door Lock
- Volume Control Cover

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	134	140	134	+/- 3
	F Reference	dB SPL	127	135		+/- 3
	HF Average	dB SPL			126	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	66	75	66	+/- 4
	F Reference	dB	60	70		+/- 4
	HF Average	dB			59	+/- 4
Nominal Reference Test Gain (RTG)	dB		51	60	47	
Frequency Range	Hz	200-5400				
Volume Control Range	dB	>45				
Total Harmonic Distortion at RTG:						
70 dB SPL in	500 Hz	%			4	<7
	800 Hz	%	7	7	4	<7
65 dB SPL in	1600 Hz	%			1	<3
Equivalent Input Noise Level	dB		30		30	<33
	dB					<33
Maximum Telecoil Sensitivity						
FOG; Input 10mA/m @ RTF	dB		100			
RTG; Input 31.6mA/m @ RTF	dB					
FOG; Input 31.6mA/m @ RTF	dB				110	
SPLITS @ RTF						
HF Average	dB				103	
STS	dB				105	
	dB				1.0	
Supply Current	input dB SPL		60	65		
at RTG	mA		1.00	1.00		<1.30
Battery Life Type13 Zinc-Air(220mAh) hrs						
			215	215		
Type13 Zinc-Air HighPower(200mAh) hrs						
			195	195		
AGC @ 2KHz	Attack	mS	10	10		+/-50%
	Release	mS	210	210		+/-50%
Reference Test Frequency(RTF)	Hz		1600	1600	1000	



Description

The Opti-TRIM BTE is a 2 channel Digital Wide Dynamic Range Compression system

Active Low Frequency Tone Control

Active High Frequency Tone Control

AGC-o compression limiting

Preset low level expansion for quieter performance

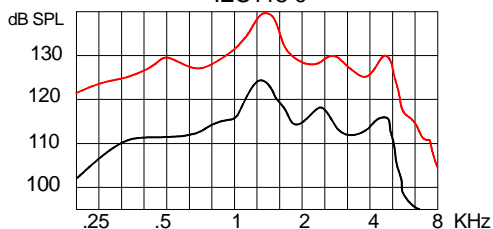
Unique Dynamic Contrast Detector "Reaches Down" to amplify quiet speech more

Look-Ahead Detection monitors signal path for loud transients and reduces gain in advance of oncoming transients, nearly eliminates signal clipping due to loud transients

Battery Type: Zinc-Air Size 13

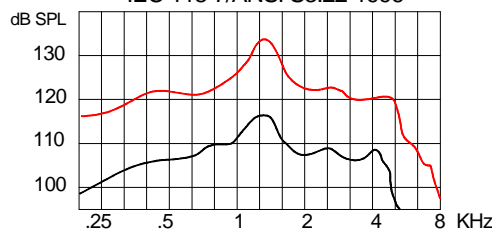
Low Battery Indicator Tone

IEC118-0

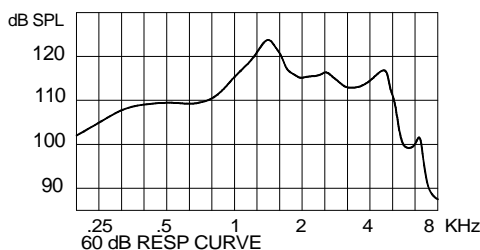


OSPL90 — 50 dB FULL ON GAIN CURVE —

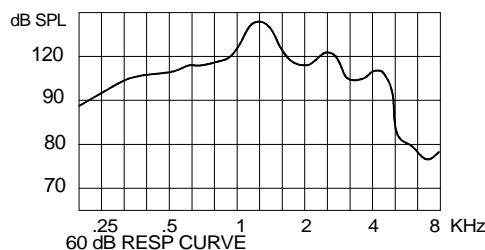
IEC 118-7/ANSI S3.22-1996



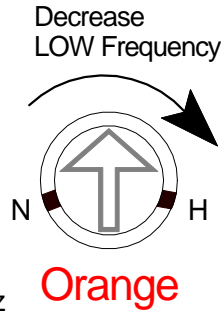
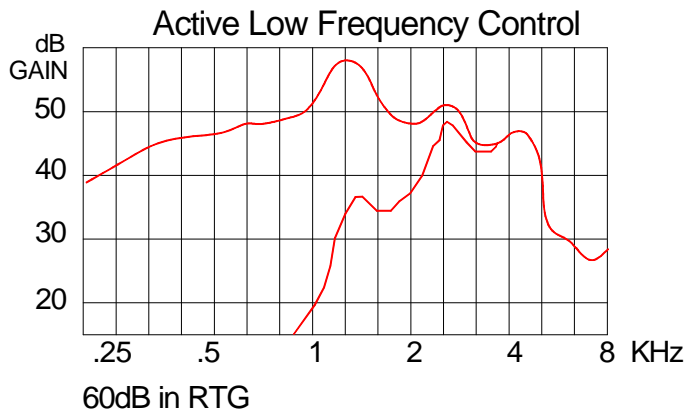
OSPL90 — 50 dB FULL ON GAIN CURVE —



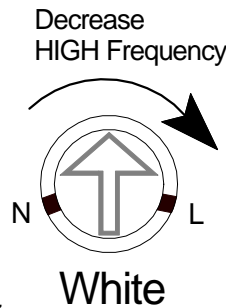
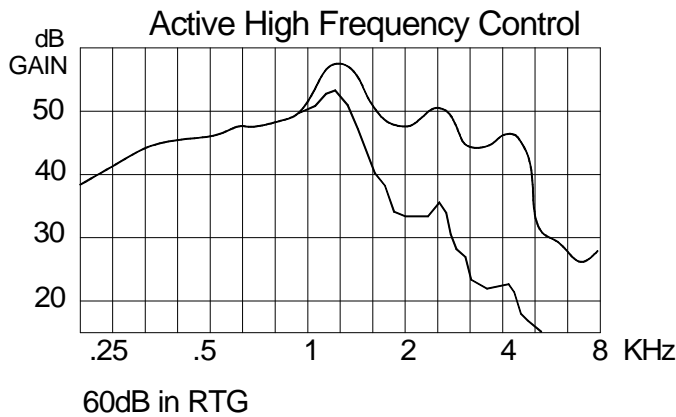
60 dB RESP CURVE



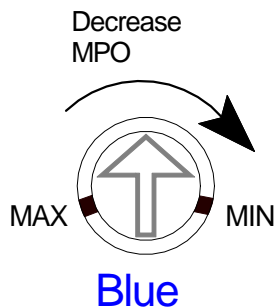
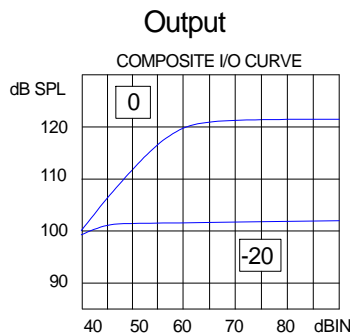
60 dB RESP CURVE



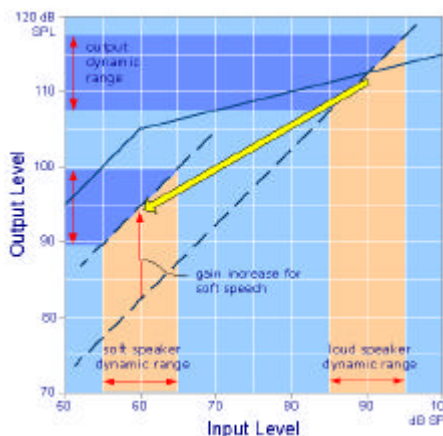
Multiple Colors Available



Concealed Trimmer Adjustments



Three Trimmers allow for greater flexibility. Push Button enables the powerful Telecoil.



Dynamic Contrast Detector

When two detectors are not enough, the Dynamic Contrast Detector recognizes the presence of the soft speaker and "Reaches Down" to amplify the quiet speech more.

- BASIC mode allows **very** long time constants for speech in noise
- FAST mode detects loud transients and releases quickly
- REACH mode recognizes alternating loud and soft sounds

Look- Ahead Detection

Monitors signal path for loud transients and reduces gain **in advance** of the oncoming transient- nearly eliminates signal clipping due to loud transients.



Battery Door Lock available