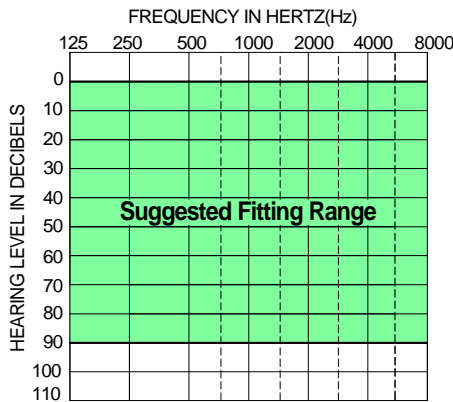


Battery Door Lock available

INTUITION D



STANDARD FEATURES

- 100% Digital
- Concealed programming socket
- Programmable Multi-Microphone Directional Processing
- Multi-memory(1-4) push button with Tone Indicator
- Direct Audio Input(DAI) capability
- Numbered Volume Control
- On/Off Switch built into Battery Door
- Programmable telephone coil
- Push On replaceable earhook

OPTIONS

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



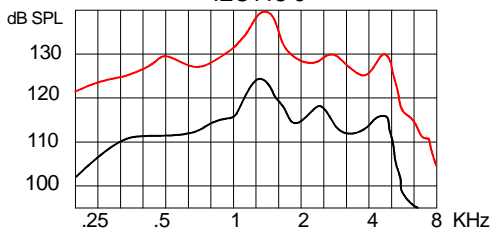
Description

The Intuition BTE is an advanced 4 channel Digital Wide Dynamic Range Compression system
 Programmable Multi-Microphone Directional patterns
 Ten bands of Layered Noise Reduction responds to noise of all intensities
 Intuitive Feedback Reduction automatically reduces feedback without reducing gain. Spectral information is maintained
 Highly configurable digital signal processor provides excellent versatility, with independent channel compressor characteristics including four(4) parameter I/O adjustment
 Twelve-Band Gain Adjustment for precise target matching
 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
 Adj. Threshold Levels in each channel from 40 to 70dB
 AGC-o compression limiting
 Battery Type: Zinc-Air Size 13
 Adjustable Low Battery Indicator and Memory Tone
 Programmable with HiPro or the Micro-connect card

Performance Data:

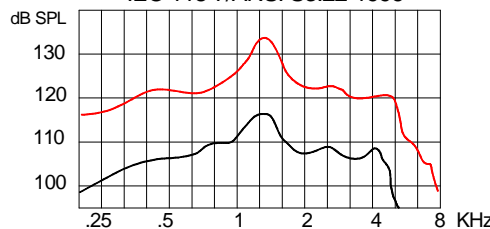
		Coupler 2cc IEC 118-7/94	Coupler MZ (711) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	Limits
SATURATION (OSPL 90)	Peak	134	140	134	+/- 3
	F Reference	127	135		+/- 3
	HF Average			126	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	66	75	66	+/- 4
	F Reference	60	70		+/- 4
	HF Average			59	+/- 4
Nominal Reference Test Gain (RTG)		60	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	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				103	
HF Average	dB			105	
STS	dB			1.0	
Supply Current					
at RTG	input dB SPL	60	65		
	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	10	10		+/-50%
	Release	210	210		+/-50%
Reference Test Frequency(RTF)		1600	1600	1000	

IEC118-0

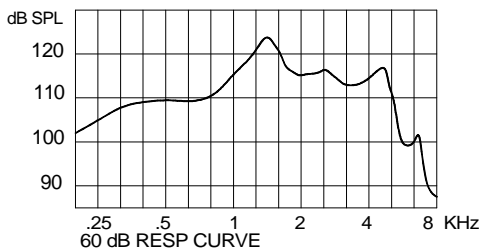


OSPL90 — 50 dB FULL ON GAIN CURVE —

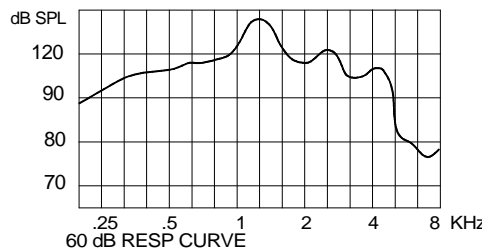
IEC 118-7/ANSI S3.22-1996



OSPL90 — 50 dB FULL ON GAIN CURVE —

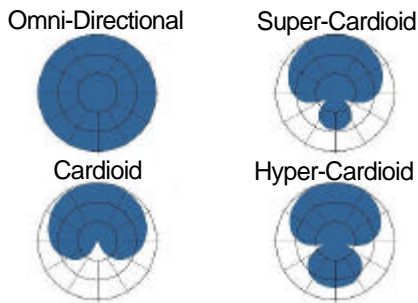


60 dB RESP CURVE



60 dB RESP CURVE

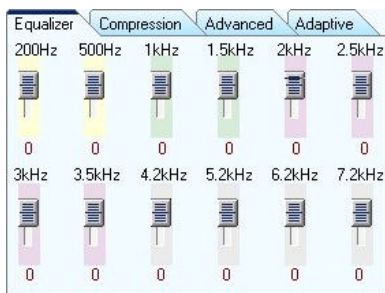




Electronic Directional Processing

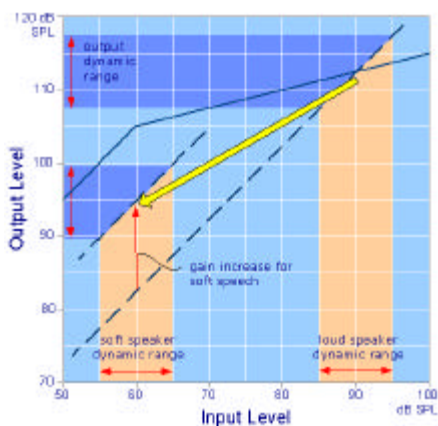
Multi-Directional patterns available

- Omni-Directional
- Super-Cardioid
- Hyper-Cardioid
- Cardioid



Twelve (12) Band Gain Adjustment

- Precise Target Matching
- Low Frequency Shaping
- High frequency Shaping
- Resonance Smoothing
- Feedback Notches
- Peak Shifting



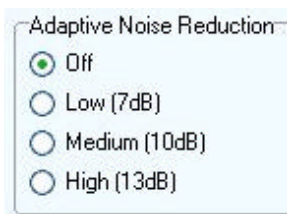
Dynamic Contrast Detector

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.



Layered Noise Reduction

Three level programmable selections to maximize comfort or speech quality

- Syllabic layer reduces noise that is embedded in speech
- Environment layer slowly reduces noise when no speech is present
- Quick Recovery layer gives noise reduction with fast recovery for speech onset
- All layers respond to noise of all intensities- replaces low-level expansion

Adaptive Feedback Reduction

- Continuously monitors amplifier system for instability.
- Uses adaptive LMS-type FIR filtering Reduces feedback without lowering gain - spectral information is maintained
- Improved stability allows:
 - Higher gain fittings*
 - Looser earmold fitting*
 - Larger venting*



Multiple Colors Available



Concealed Programming Socket



Multi-Memory(P1-P4) Push Button



DAI Input capability

