

### STANDARD FEATURES

- On/off volume control
- Four(4) pin socket
- Variable vent system
- Windscreen
- 1 year loss or damage
- 1 year warranty

### OPTIONS

- Programmable volume control
- Multi-memory(2-4) with tone indicator
- Programmable telephone coil
- Program thru faceplate
- Trimmer volume control
- On/Off switch
- Foto-coat
- Flip Top wax trap
- Windscoop/windhood
- 10A Mini Canal

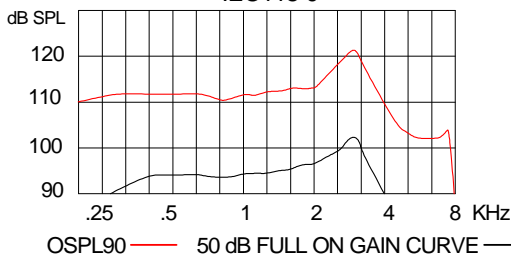
### Description

- The CANAL INTUITION 4 is an advanced 4 channel Digital Wide Dynamic Range Compression system.
- Adaptive feedback cancellation for up to 20dB added stable gain.
- Layered Noise Reduction algorithm for improved comfort in noisy situations.
- Highly configurable digital signal processor provides excellent versatility, with independent channel compression 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.
- Adjustable Threshold Levels in each channel from 40 to 70dB
- AGC-o compression limiting
- Multi Memory Tone Indicator
- Programmable with HiPro or the Microconnect card and the Audina ezFit software(NOAH or stand alone).

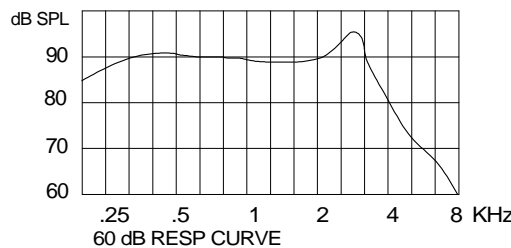
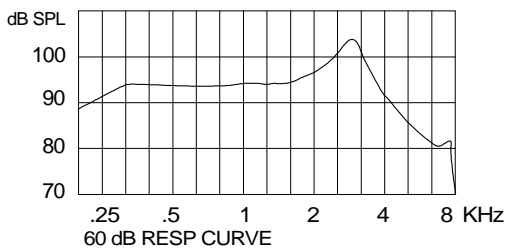
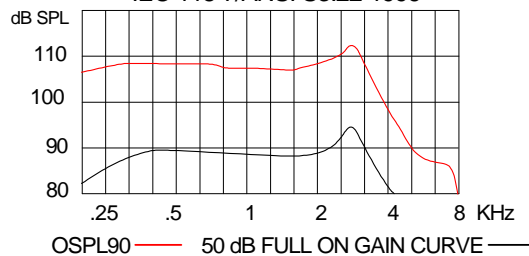
### Performance Data:

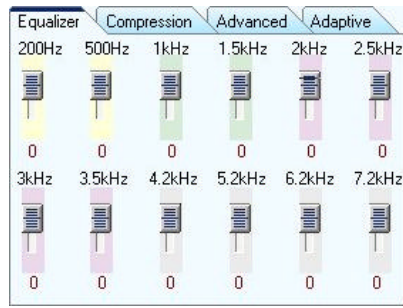
			Coupler 2cc IEC 118-7/94	Coupler MZ (711) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	Limits
SATURATION (OSPL 90)	Peak	dB SPL	112	122	112	+/- 3
	F Reference	dB SPL	105	115	106	+/- 3
	HF Average	dB SPL			107	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	44	54	44	+/- 4
	F Reference	dB	37	47	37	+/- 4
	HF Average	dB			38	+/- 4
Nominal Reference Test Gain (RTG)	dB	30	40	30		
Frequency Range	Hz	200-8000				
Volume Control Range	dB	<40				
Total Harmonic Distortion at RTG:						
70 dB SPL in	500 Hz	%	1	1	1	<4
	800 Hz	%				
65 dB SPL in	1600 Hz	%	1	1	1	<4
		%				
Equivalent Input Noise Level	dB	30	30	30	<33	<33
Maximum Telecoil Sensitivity						
FOG; Input 10mA/m @ RTF	dB	91				
RTG; Input 31.6mA/m @ RTF	dB		95			
FOG; Input 31.6mA/m @ RTF	dB			94		
SPLITS @ RTF	dB			91		
HF Average	dB			93		
STS	dB			1.0		
Supply Current at RTG	input dB SPL		60	65		
	mA		1.00	1.00	<1.2	
Battery Life	Type 312 Zinc-Air(120mAh)	hrs	120	120		
	Type 10A Zinc-Air(60mAh)	hrs	60	60		
AGC @ 2KHz	Attack	mS	10	10	10	+/-50%
	Release	mS	120	120	120	+/-50%
Reference Test Frequency(RTF)	Hz	1600	1600	1000		

IEC118-0



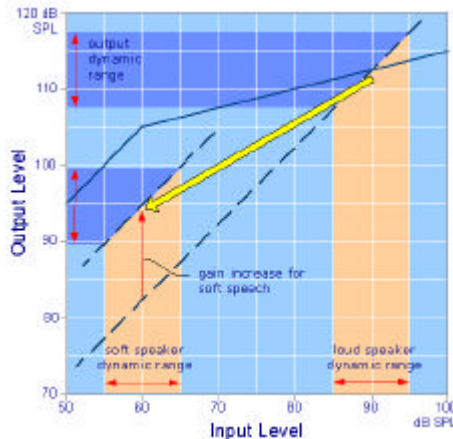
IEC 118-7/ANSI S3.22-1996





## Twelve (12) Band Gain Adjustment

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



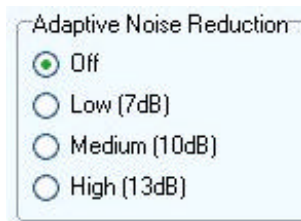
## Dynamic Contrast Detector

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*