

**STANDARD FEATURES**

- Four(4) pin socket
- Red and Blue shell
- Windscreen
- 1 year loss or damage
- 2 year warranty

**OPTIONS**

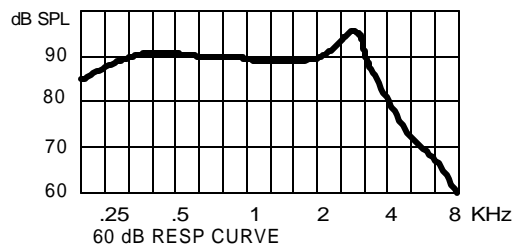
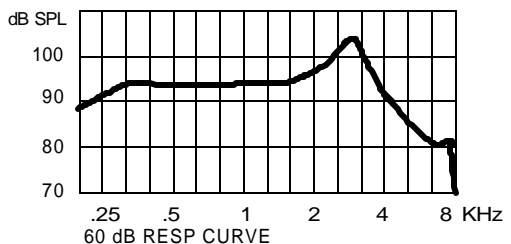
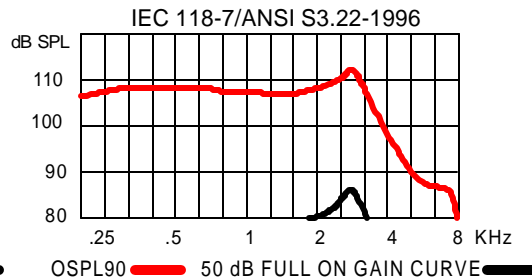
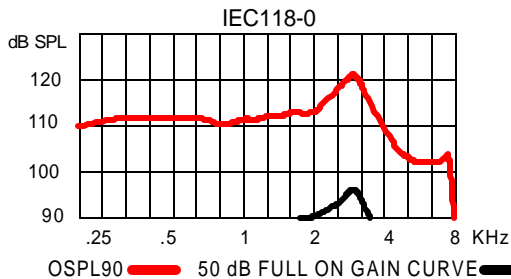
- Trimmer volume control
- Multi-memory(2-4) with tone indicator
- Clear, Pink or Tan shell
- Program thru faceplate
- Foto-coat
- Flip Top wax trap
- Windscoop/windhood
- **Plus Power for Severe Losses See Back**

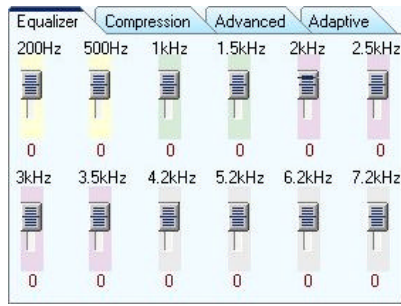
**Description**

- The CIC INTUITION 4 is an advanced 4 channel Digital Wide Dynamic Range Compression system.
- Adaptive feedback cancellation for up to 22dB 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:**

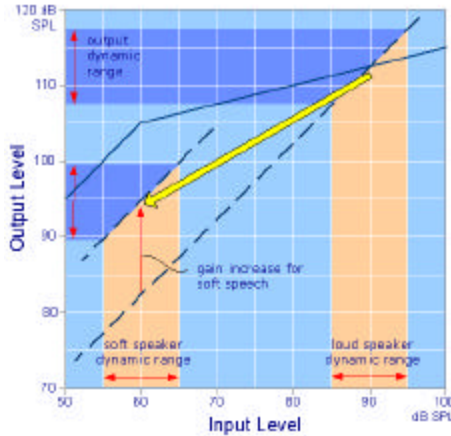
			Coupler 2cc IEC 118-7/94	Coupler MZ (711) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	PLUS POWER Coupler 2cc ANSI S3.22-1996	PLUS POWER C.I.C. Coupler .4cc	Limits
SATURATION (OSPL 90)	Peak	dB SPL	111	122	111	116	132	+/- 3
	F Reference	dB SPL	104	115	106	111	119	+/- 3
	HF Average	dB SPL			106	111	124	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	35	45	35	45	61	+/- 4
	F Reference	dB	28	38	29	39	46	+/- 4
	HF Average	dB			30	40	51	+/- 4
Nominal Reference Test Gain (RTG)		dB	21	31	30	35	47	
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	%	1	1	1	1	1	<4
65 dB SPL in	1600 Hz	%			1	1	1	<4
Equivalent Input Noise Level		dB	30	30	30	30	30	<33
		dB						<33
Maximum Telecoil Sensitivity								
FOG; Input 10mA/m @ RTF		dB	N/A					
RTG; Input 31.6mA/m @ RTF		dB		N/A				
FOG; Input 31.6mA/m @ RTF		dB			N/A	N/A	N/A	
SPLITS @ RTF					N/A	N/A	N/A	
HF Average		dB						
STS		dB			1.0	1.0	1.0	
Supply Current								
at RTG	input dB SPL	mA	60	65	65	65		
			1.00	1.00	1.00	1.00	1.00	<1.2
Battery Life	Type 10A Zinc-Air(60mAh)	hrs	60	60	60	60		
AGC @ 2KHz								
Attack		mS	10	10	10	10	10	+/-50%
Release		mS	120	120	120	120	120	+/-50%
Reference Test Frequency(RTF)			Hz	1600	1600	1000	1000	1000





## Twelve (12) Band Gain Adjustment

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



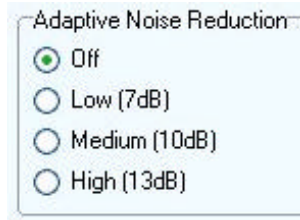
## Dynamic Contrast Detector

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*

