



## K-Amp Completely-in-the-Canal

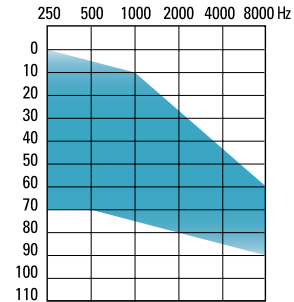
### HEARING AID FEATURES

- K-Amp Class D input compression
- Available colours – pink, tan, cocoa or brown
  - CIC standard colour is cocoa
  - all others pink
- Standard Screw-set volume control
- Molded Pressure Vent

### OPTIONS

- Optional controls for added fitting flexibility:
  - High-cut
  - Threshold Kneepoint
  - Low-cut Tone
- Compression Ratio
- Windscreen
- Wax Spring
- Tube vent or Cavity vent

### SUGGESTED FITTING RANGE



Completely-in-the-Canal

Fitting Guide

### ANSI S3.22-1996 TECHNICAL DATA

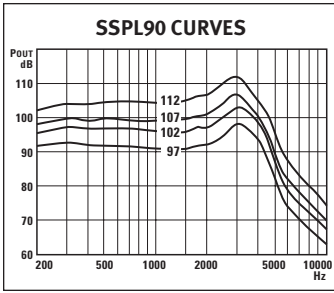
Frequency Response Slope 10	200-7200
Frequency Response Slope 20	350-7600
Full-On Peak Gain	25-40 dB
HF Average Gain	18-35 dB
HF Average Gain at RTP	18-35 dB
Peak Output	97-112 dB
HF Average SSPL90	91-107 dB
Typical Battery Life (Zinc Air Premium)	
10A	225-185 h
5A	80-115 h
Current Drain	0.3-0.45 mA
Equivalent Input Noise	< 31 dB
Total Harmonic Distortion at RTP	
500 Hz	typical 1% < 8%
800 Hz	typical 1% < 8%
1600 Hz	typical 1% < 8%
Attack Time	< 30 ms
Release Time	600 ms
Compression Ratio	2:1

Note: This K-Amp circuit is offered with a damped receiver. The Technical Data was generated with a 2cc Coupler.

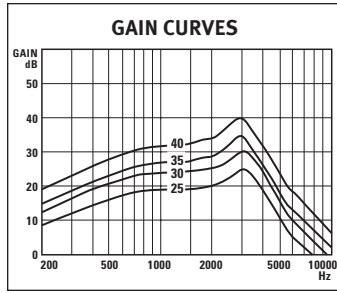
### MATRIX SELECTIONS

CIC Only	97/25/10, 20
	102/30/10, 20
	107/35/10, 20
	112/40/10, 20

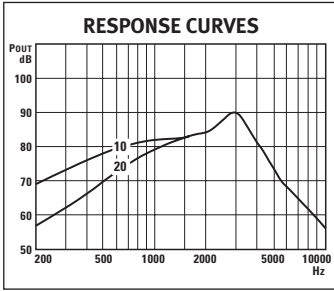
# CONVENTIONAL K-AMP CIC ANSI SPECIFICATIONS



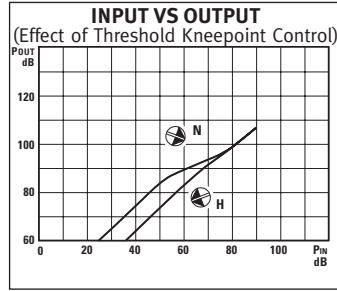
Input sound pressure level: 90 dB  
Volume Control: full on



Input sound pressure level: 50 dB  
Volume Control: full on



Input sound pressure level: 50 dB  
Volume Control: full on  
Matrix: 112/40/10, 20



Input signal: 2000 Hz  
Volume Control: full on

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control  
BATTERY: 10A Zinc Air Premium  
SOURCE: Voltage 1.3 V  
Impedance 6 Ohms  
COUPLER: HA-1  
VENT: Closed at canal end  
Refer to: "Summary of Test Conditions and Limits" for more details.

## AID MARKING: UHC CUSTOM

## COMPLIANCE

Our products are designed to meet all of the limits required when tested in accordance with the applicable standard.

## REFERENCES

ASA: Acoustical Society of America, ANSI S3.22-1996  
FDA: Food and Drug Administration, Part 801

We reserve the right to change specification data without notice as improvements are introduced.

This product is manufactured under the protection of U.S. Patent #4349082 & #5204917.

Caution: Hearing aids and batteries can be harmful if swallowed or improperly used.

Caution: Proper fitting of this hearing aid requires the taking of a deep-canal impression. Hearing Health Professionals should not attempt this type of fitting unless they have developed the necessary skills needed to take this type of impression safely.



## CORPORATE OFFICE

Kitchener, Ontario, Canada  
877 492 6244; 519 895 0100  
fax 519 895 0108

## CANADA

Cambridge, Ontario  
800 265 8255; 519 650 9111  
fax 800 949 6663

## U.S.A.

Plymouth, Minnesota  
800 888 8882; 763 744 3300  
fax 763 557 8828

## INTERNATIONAL

Kitchener, Ontario, Canada  
519 895 0100  
fax 519 895 2318

## EUROPE

Bremen, Germany  
49 421 43 87 90  
fax 49 421 48 81 56

www.unitronhearing.com