

# 312S FOUNDATION



## Description

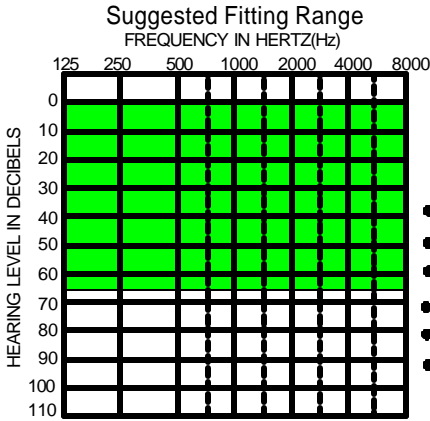
The 312S FOUNDATION is digital in-the-canal hearing instrument with seven (7) programmable parameters. The programmable parameters are low cut, high cut, compression ratio (1:1 to 4:1), threshold kneepoint, gain, AGC-o and variable feedback notch filter. The Foundation also incorporates a low level expansion circuit to reduce noise in quiet environments. This product incorporates multiple attack and release time technology and utilizes a class D output stage. The Foundation is compatible with Hi-Pro or Microconnect via Audina's ezFit fitting software.

## STANDARD FEATURES

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

## OPTIONS

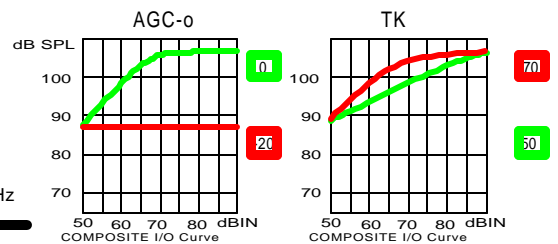
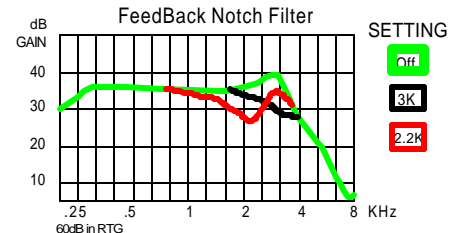
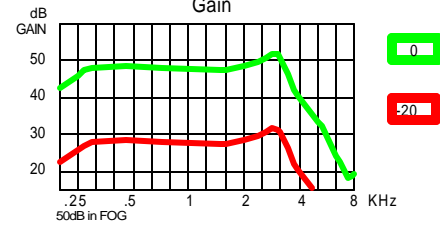
- Programmable volume control
- Multi-memory(2-3) with tone indicator
- Programmable telephone coil
- Flexstrip programming
- Trimmer Volume Control
- On/Off Switch
- Foto-coat
- Flip Top wax guard
- "NoWax" Filter system
- 10A Mini canal
- Windscoop/windhood



## Performance Data:

			Coupler 2cc IEC 118-7/94	Coupler MZ (7/11) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	Limits
SATURATION (OSPL 90)	Peak	dB SPL	111	121	111	+/- 3
	F Reference	dB SPL	107	117	108	+/- 3
	HF Average	dB SPL			108	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	dB	43	53	43	+/- 4
	F Reference	dB	37	47	38	+/- 4
	HF Average	dB			38	+/- 4
Nominal Reference Test Gain (RTG)		dB	27	37	31	
Frequency Range		Hz	200-6500			
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	%				
Equivalent Input Noise Level		dB	30	30	30	<33
Maximum Telecoil Sensitivity		dB	91			
FOG; Input 10mA/m @ RTF		dB		95		
RTG; Input 31.6mA/m @ RTF		dB			94	
FOG; Input 31.6mA/m @ RTF		dB				
SPLITS @ RTF		dB			86	
HF Average		dB			88	
STS		dB			1.0	
Supply Current	input dB SPL		60	65		
at RTG	mA		1.0	1.0	<1.2	
Battery Life	Type 312 Zinc-Air(110mAh)	hrs	110	110		
	Type 10A Zinc-Air(60mAh)	hrs	60	60		
AGC @ 2KHz	Attack	mS	5	5	5	+/-50%
	Release	mS	800	800	800	+/-50%
Reference Test Frequency(RTF)		Hz	1600	1000	1000	

## Typical Effect of Programmable Parameters



## COMPRESSION RATIO

