

# FSS FOUNDATION



## Description

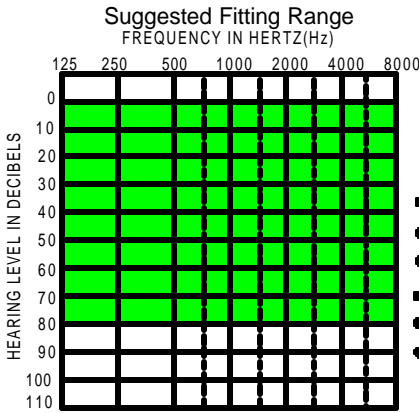
The FSS FOUNDATION is a digital fullshell hearing instrument with seven (7) programmable parameters. The programmable parameters are low cut, high cut, compression ratio (1:1 to 4:1), threshold kneepoint, gain, AGC-o and variable feedback notch filter. The Foundation also incorporates a low level expansion 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

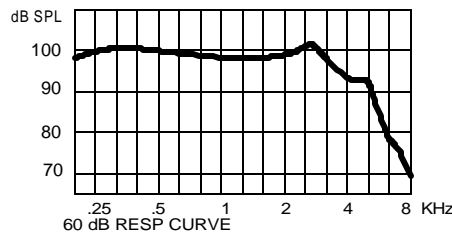
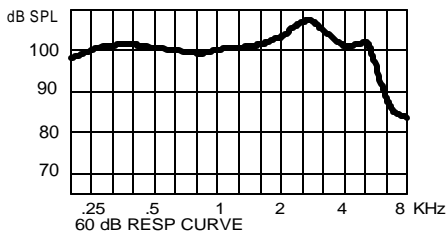
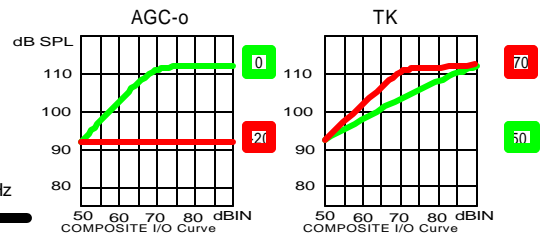
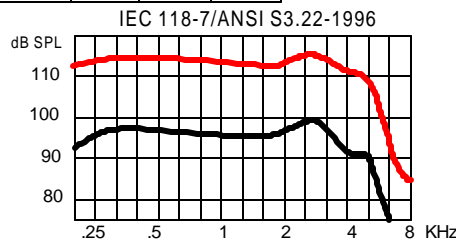
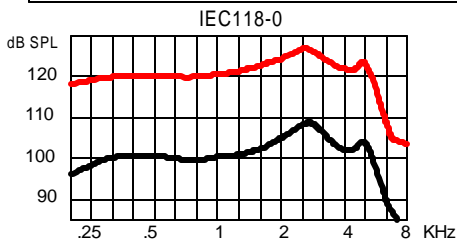
- Programmable volume control
- Multi-memory(2-3) with tone indicator
- Programmable telephone coil
- Programmable Directional MIC
- Flexstrip programming
- Trimmer Volume Control
- On/Off Switch
- Oto-Seal(all soft shell)
- Foto-coat
- Flip Top wax guard
- "NoWax" Filter System
- Windscoop/windhood



## 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	117	127	117	+/- 3
	F Reference	114	123	114	+/- 3
	HF Average			114	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	49	59	49	+/- 4
	F Reference	44	53	45	+/- 4
	HF Average			45	+/- 4
Nominal Reference Test Gain (RTG)		33	43	37	
Frequency Range	Hz	200-6500			
Volume Control Range	dB	<40			
Total Harmonic Distortion at RTG:					
70 dB SPL in	500 Hz	%	1	1	<4
	800 Hz	%	1	1	<4
65 dB SPL in	1600 Hz	%	1	1	<4
Equivalent Input Noise Level	dB	30	30	30	<33
	dB				<33
Maximum Telecoil Sensitivity					
FOG; Input 10mA/m @ RTF	dB	101			
RTG; Input 31.6mA/m @ RTF	dB	105			
FOG; Input 31.6mA/m @ RTF	dB	104			
SPLITS @ RTF	dB	96			
HF Average	dB	98			
STS	dB	1.0			
Supply Current		input dB SPL			
at RTG		mA		<1.2	
Battery Life	Type 13 Zinc-Air(220mAh)	hrs	220	220	
	Type 312 Zinc-Air(110mAh)	hrs	110	110	
AGC @ 2KHz	Attack	mS	5	5	+/-50%
	Release	mS	800	800	+/-50%
Reference Test Frequency(RTF)	Hz	1600	1000	1000	

## Typical Effect of Programmable Parameters



## COMPRESSION RATIO

