

Description

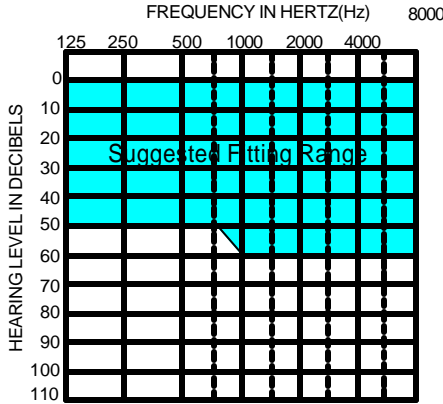
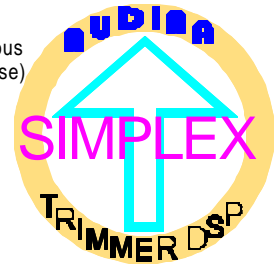
The 312S Simplex offers 100% Digital sound processing easily adjusted with your choice of up to 3 trimpots; active low cut, active high cut, AGC-o output control, gain and threshold kneepoint. The Simplex can be utilized for both new and previous users and can be configured to precisely fit a range of losses (precipitous to reverse)

STANDARD FEATURES

- On/Off volume control
- 1 Trimpot standard
- Variable vent system (size permitting)
- Windscreen
- 1 year warranty
- 1 year loss or damage

OPTIONS

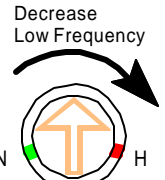
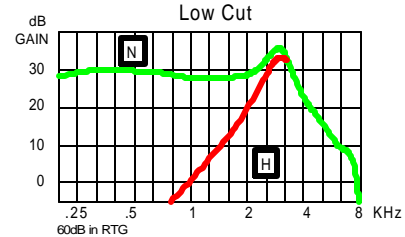
- Trimmer volume control
- LFC, HFC, GAIN, AGC-o, or TK
- On/off switch
- Foto-coat
- 10A Mini canal
- Windscoop
- Flip Top wax trap
- Plus Power
- Tele Coil



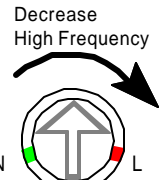
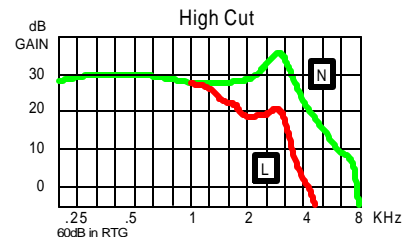
Performance Data:

		Coupler 2cc IEC 118-7/94	Coupler MZ (711) IEC 118-0/94	Coupler 2cc ANSI S3.22-1996	Limits
SATURATION (OSPL 90)	Peak	111	121	111	+/- 3
	F Reference	105	115	106	+/- 3
	HF Average		112	107	+/- 3
Full-on Gain (Input: 50dB SPL)	Peak	45	55	45	+/- 4
	F Reference	38	47	38	+/- 4
	HF Average			38	+/- 4
Nominal Reference Test Gain (RTG)		27	40	30	
Frequency Range	Hz	200-7100			
Volume Control Range	dB	<40			
Total Harmonic Distortion at RTG:					
70 dB SPL in	500 Hz			1	<4
	800 Hz			1	<4
65 dB SPL in	1600 Hz			1	<4
Equivalent Input Noise Level	dB	30	30	30	<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			86	
HF Average	dB			88	
STS	dB			1.0	
Supply Current	input dB SPL	60		65	
at RTG	mA	1.0	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	+/-50%
	Release	mS	200	200	+/-50%
Reference Test Frequency(RTF)	Hz	1600	1000	1000	

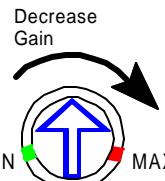
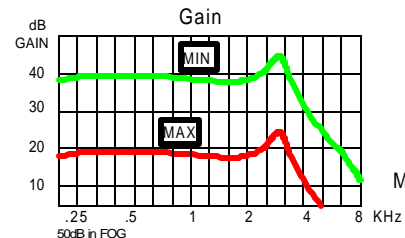
Instrument Control System



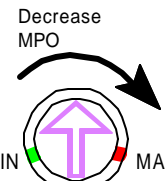
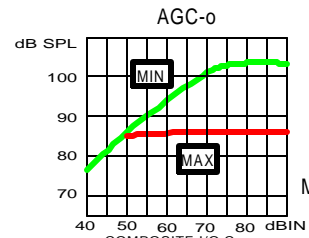
Orange



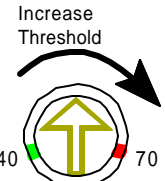
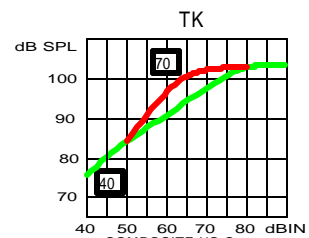
White



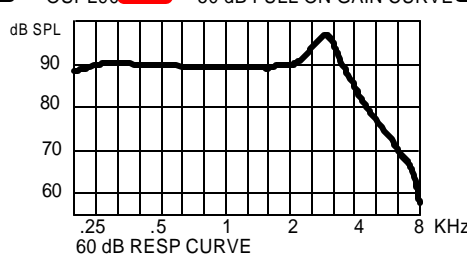
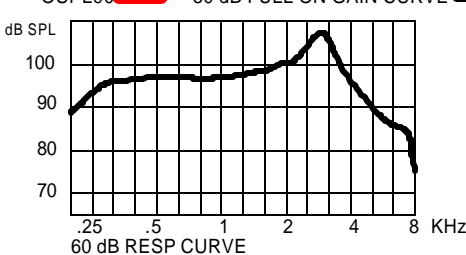
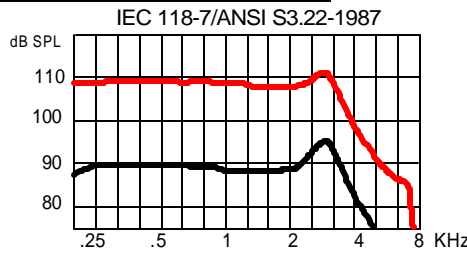
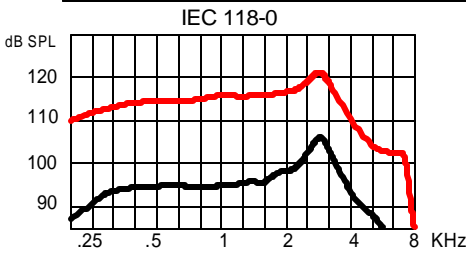
Blue



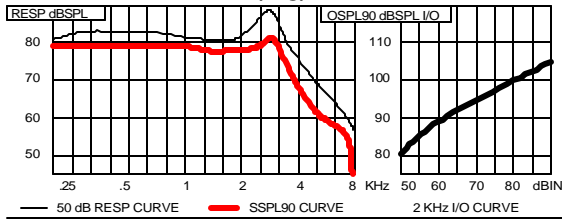
Purple



Yellow

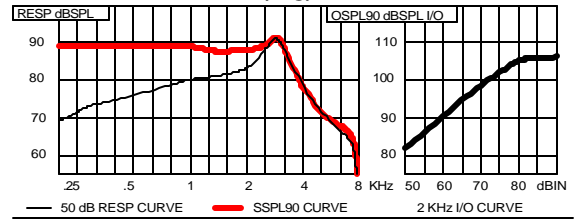


111/45/1



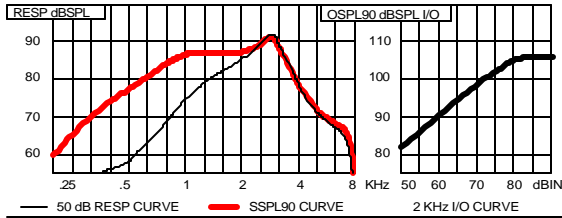
MAX OSPL90: 111.0 dB	RESP LIMIT: 60.0 dB	ATK 5 mS
AT: 2800 Hz	F1= 200 Hz F2= 7100 Hz	REL 200 mS
HF AVG: 107.0 dB	THD	FREQ SRC
HF AVG FULL ON GAIN: <-5.0 % 500Hz 70 dB		
AT 50 dB IN 38.0 dB	<-5.0 % 800Hz 70 dB	MEASURED
	<-5.0 % 1600 Hz 65 dB	AT 2 KHz
REFERENCE TEST GAIN: 30.0 dB	EQ INP NOISE: 30.0 dB	
	BAT (1.3 V) 1.00 mA	

111/45/2



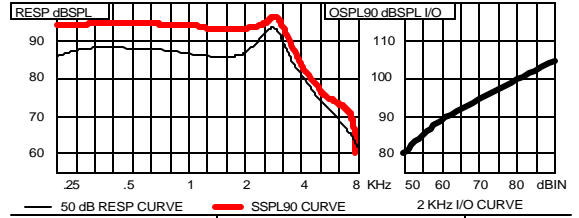
MAX OSPL90: 109.0 dB	RESP LIMIT: 60.0 dB	ATK 5 mS
AT: 2800 Hz	F1= 200 Hz F2= 7500 Hz	REL 200 mS
HF AVG: 107.0 dB	THD	FREQ SRC
HF AVG FULL ON GAIN: <-5.0 % 500Hz 70 dB		
AT 50 dB IN 36.0 dB	<-5.0 % 800Hz 70 dB	MEASURED
	<-5.0 % 1600 Hz 65 dB	AT 2 KHz
REFERENCE TEST GAIN: 30.0 dB	EQ INP NOISE: 30.0 dB	
	BAT (1.3 V) 1.00 mA	

111/45/3



MAX OSPL90: 111.0 dB	RESP LIMIT: 60.0 dB	ATK 5 mS
AT: 2800 Hz	F1= 200 Hz F2= 8000 Hz	REL 200 mS
HF AVG: 107.0 dB	THD	FREQ SRC
HF AVG FULL ON GAIN: <10.0 % 500Hz 70 dB		
AT 50 dB IN 35.0 dB	<10.0 % 800Hz 70 dB	MEASURED
	<10.0 % 1600 Hz 65 dB	AT 2 KHz
REFERENCE TEST GAIN: 30.0 dB	EQ INP NOISE: 30.0 dB	
	BAT (1.3 V) 1.00 mA	

116/50/1B



MAX OSPL90: 116.0 dB	RESP LIMIT: 65.0 dB	ATK 5 mS
AT: 2800 Hz	F1= 200 Hz F2= 7100 Hz	REL 200 mS
HF AVG: 112.0 dB	THD	FREQ SRC
HF AVG FULL ON GAIN: <-5.0 % 500Hz 70 dB		
AT 50 dB IN 43.0 dB	<-5.0 % 800Hz 70 dB	MEASURED
	<-5.0 % 1600 Hz 65 dB	AT 2 KHz
REFERENCE TEST GAIN: 35.0 dB	EQ INP NOISE: 30.0 dB	
	BAT (1.3 V) 1.00 mA	