

# AM853



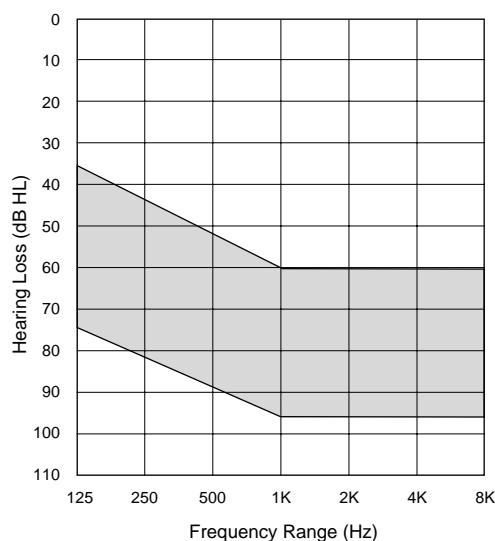
# A

# T

# A

# D

FITTING RANGE



## performance data

### AM853

( ) reading may be omitted, slope > 12dB.

		IEC 118-7 (2cc Coupler)	IEC 118-0	ANSI S3.22-1987 (2cc Coupler)	Limits
Saturation	Peak	131	136	131	±3
OSPL 90	F Reference	124	132	131	±3
	HF Average	127	134	127	±3
AO Control at RTF		-15		-12	±3
Full-on Gain (Input 50 dB SPL)	Peak	71	80	71	±4
	F Reference	62	70	70	±4
	HF Average	67	74	67	±4
Nominal Reference Test Gain (RTG)		49	57	50	
Frequency Response				360 - 6400	
H Control at:	300 Hz	-17			±3
	500 Hz			-8	±3
AGC-o	Attack	3			±5
	Release	40			±20
Volume Control Range		> 40			
Total Harmonic Distortion at RTG:					
70 dB SPL in	500 Hz	(2)	(2)	(2)	
	800 Hz	1	1	1	< 4
	1600 Hz	2	2	2	< 5
Equivalent Noise Level		25			< 28
				20	< 23
Induction Coil Sensitivity					
FOG at 10 mA/m		117		121	±4
RTG at 31.6 mA/m (IEC 118-1:1995)		124			±4
Supply Current at RTF		60		65	
		1.9		1.9	< 2.3
		2.0			< 2.4
Battery Life					
(Typical)	Type: PR48 (13) Zinc air	Hrs	116	116	
Reference Test Frequency		1600	1600	1000	

## features

The AM853 is a high gain compact behind-the-ear hearing instrument.

It features two pre-set controls; an Output Limiting Automatic Gain control (AO) and a Low Frequency Suppression control (H).

The normal application is for a patient with a conductive or sensorineural severe to profound hearing loss.

The forward facing microphone is situated above the nozzle.

### Separate Switch

3 position:

O = off

T = telecoil

M = microphone

### Battery Type

IEC PR48 (type 13)

Zinc air battery.

### Snap-on Hook

Snap-on Windshield Hook with 330 Ω acoustic filter.

We reserve the right to alter specifications of hearing instruments without advance notice.

HF Average Frequency:

f1 - 1000Hz

f2 - 1600Hz

f3 - 2500Hz

# A&M Hearing Limited

AM853/DS/03/99

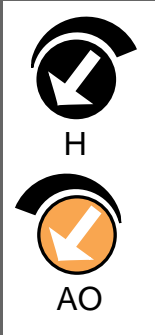
Newton Road, Manor Royal, Crawley, West Sussex RH10 2TU, U.K. Tel: 01293 423700 Fax: 01293 403080

# AM853

## Dimensions

Height	35 mm
Width	12 mm
Thickness	8 mm
Net weight	4.5 g

Colour: Beige



## Tone Control 'H'

Black Trimmer.

Pre-set low frequency suppression control.

Continuously variable to -17 dB at 300Hz.

## Automatic Gain Control 'AO'

Orange Trimmer.

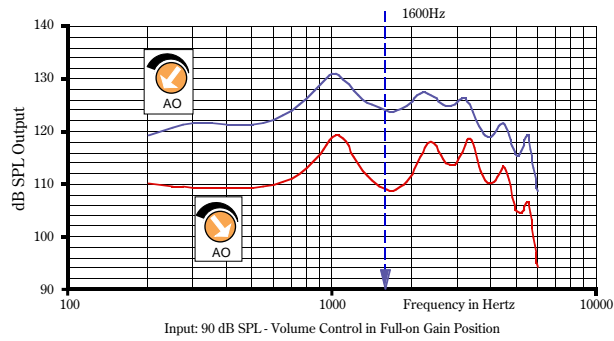
Pre-set output limiting automatic gain control.

Continuously variable to -15 dB at 1600Hz.

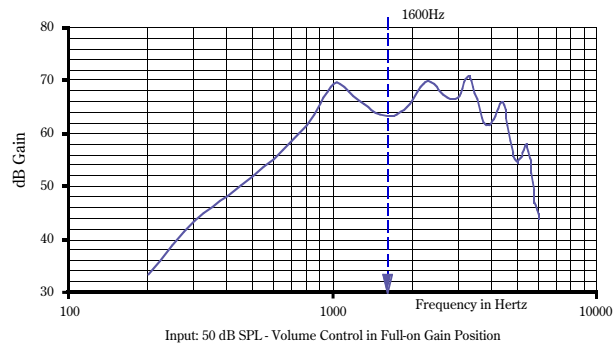


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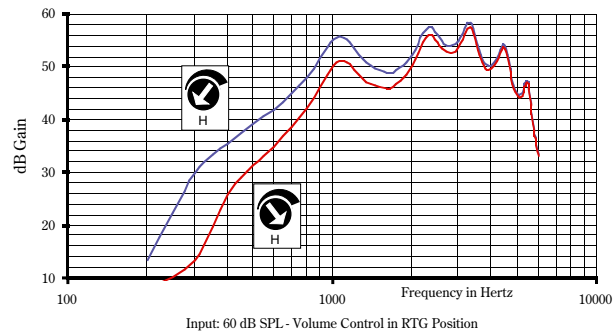
## Maximum Output and Effect of 'AO' Control



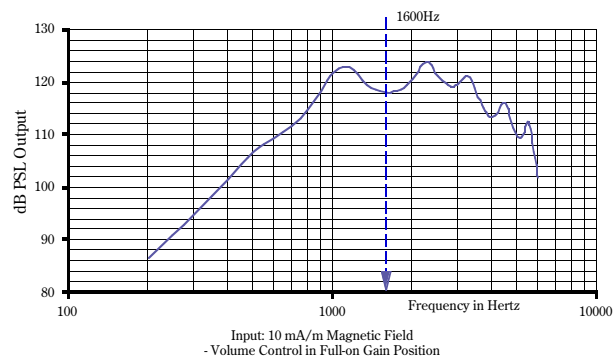
## Maximum Gain



## Basic Frequency Response and Effect of 'H' Control



## Response of Telecoil



## Characteristics of 'AGC-o' at 1600Hz

