

Magnum Ear Automatic

Low gain recreational ear plug device for use by people with normal hearing.



Feature Summary:

18 dB Noise Reduction Rating
Available in custom CE style
Volume Control

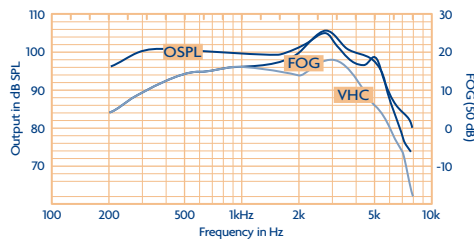
Options:

Telecoil available and activated via a switch
Telecoil with microphone available and activated via a switch
Variable High Cut trimmer

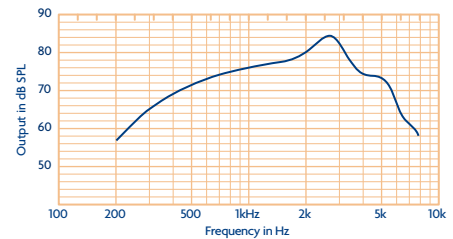


Magnum Ear Automatic CE

| | ANSI 2cc | IEC OES |
|--|---------------|---------|
| Peak OSPL90 (dB) | 105 | 114 |
| HFA/ RTF OSPL90 (dB) | 101 | 107 |
| Peak Gain (dB) | 25 | 34 |
| HFA/ RTF Full On Gain (dB) | 19 | 25 |
| Frequency Range (Hz) | 200-6800 | NA |
| Ref. Test Frequency (kHz) | 1.0, 1.5, 2.5 | 1.6 |
| Ref. Test Gain (dB) | 19 | 18 |
| Harmonic Distortion | | |
| 500 Hz | <3% | <3% |
| 800 Hz | <3% | <3% |
| 1600 Hz | <3% | <3% |
| Equivalent Input Noise (dB) | < 28 dB | < 28 dB |
| (55-90 ANSI) (55-80 IEC low level) | | |
| Attack Time (ms) | 5 | 5 |
| Release Time 0.1-s | 10 | 5 |
| Release Time 2.0-s | 10 | 5 |
| Induction Coil Sensitivity | | |
| HFA SPLITS (ANSI 96) (dB SPL) | 83 | NA |
| MASL (IEC 118-1) (dB SPL) | NA | 58 |
| Battery Current (mA) [without STC] | .28 | .29 |
| Idle (mA) [without STC] | .28 | .28 |
| Battery Current (mA) [with STC] | .36 | .37 |
| Idle (mA) [with STC] | .36 | .36 |
| Estimated Battery Life for 16 hour day | | |
| 13 Zinc Air (days) without STC | 65 | 65 |
| 13 Zinc Air (days) with STC | 50 | 50 |



OSPL90 and FOG curves for the Magnum Ear Automatic CE matrix 105/25/10. The effect of the Variable High Cut is also shown.



TELECOIL: Induction Coil Sensitivity at Full On Gain for the Magnum Ear Automatic CE matrix 97/20/15. Data obtained in RMS magnetic field strength of 31.6 mA/meter.

Measurement Conditions

The data for the Magnum Ear Automatic are obtained and performance is expressed according to ANSI S3.22 (1996). *Specifications for Hearing Aid Characteristics*. The data in the table are also measured according to IEC 118-7. The Starkey proprietary Real Time Analyzer comprises the basic test equipment. Data may be subject to change with product refinements.



