

**Spectra  
PP+**

# Technical Information

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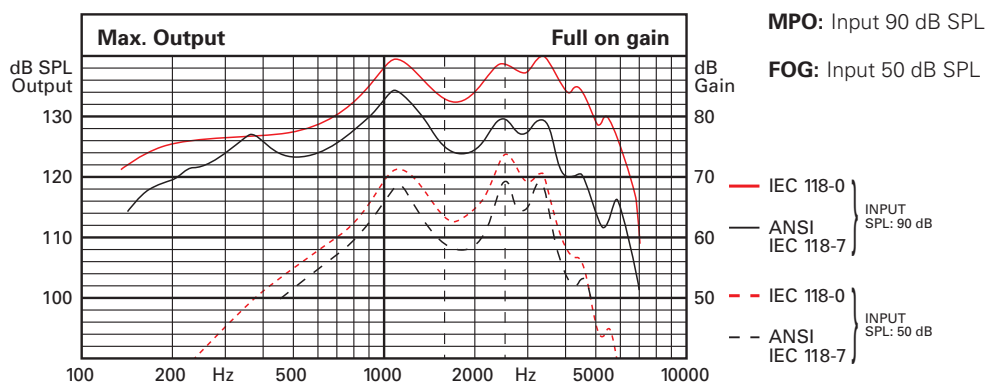
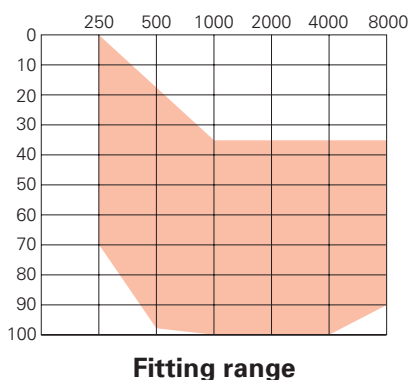
**REXTON** 

# Spectra PP+

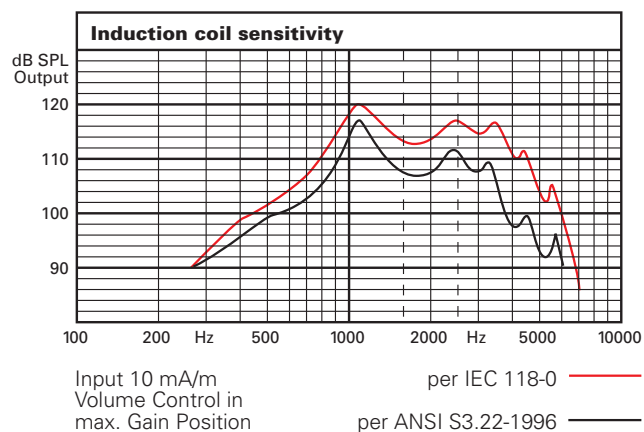
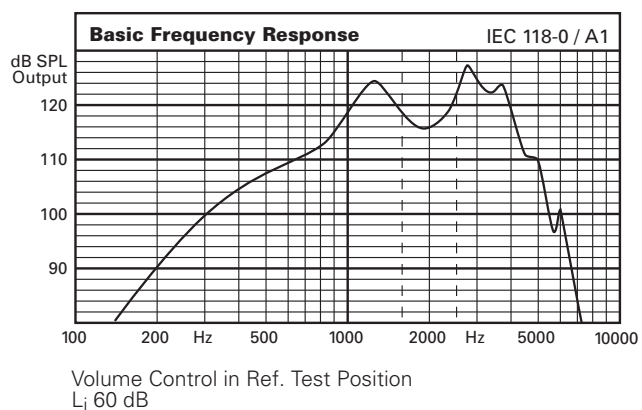
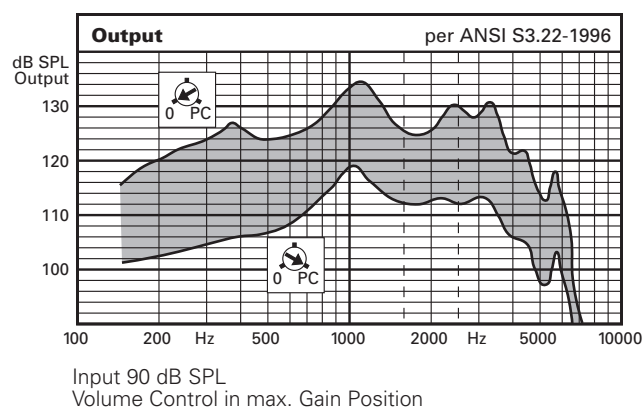
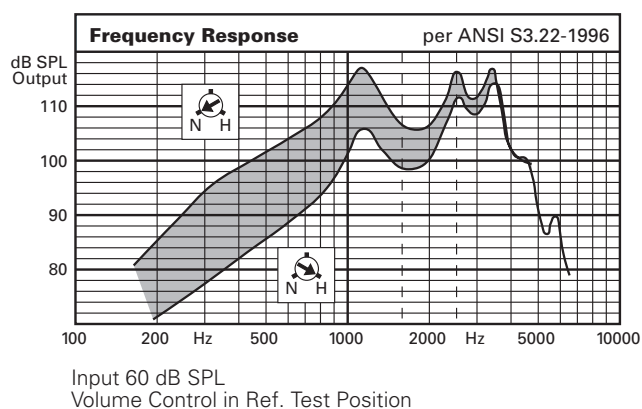


| Performance Data                                |                      |        | per ANSI S3.22-1996 |       | 2 ccm coupler IEC 118-7 | Earsimulator IEC 118-0 |
|---|----------------------|--------|---------------------|-------|-------------------------|------------------------|
| <b>Saturation</b>                               | Peak                 | dB SPL | 134                 |       | 134                     | 139                    |
|   | F reference          | dB SPL | 132                 |       | 125                     | 131                    |
|   | HF-Average           | dB SPL | 129                 |       | –                       | –                      |
| PC Control                                      | Range at F reference | dB SPL | –14                 |       | –13                     | –14                    |
| <b>Full-on Gain</b>                             | Peak                 | dB     | 70                  |       | 70                      | 76                     |
|   | F reference          | dB     | 67                  |       | 57                      | 65                     |
|   | HF-Average           | dB     | 64                  |       | –                       | –                      |
| Reference Test Gain (RTG)                       |                      | dB     | 52                  |       | –                       | 56*                    |
| Gain Control                                    | Range                | dB     | –                   |       | –                       | –                      |
| <b>Frequency Response</b>                       |                      | Hz     | 260 – 4900          |       | 260 – 4700              | 300 – 6000             |
| LOW Control                                     | Reduction at 500 Hz  | dB     | –16                 |       | –19                     | –16                    |
| HIGH Control                                    | Reduction at 4000 Hz | dB     | –                   |       | –                       | –                      |
| <b>AGC</b>                                      | Threshold            | dB SPL | –                   |       | –                       | –                      |
|   | Attack Time          | ms     | –                   |       | –                       | –                      |
|   | Release Time         | ms     | –                   |       | –                       | –                      |
|   | Compression Factor   |        | –                   |       | –                       | –                      |
| <b>Volume Control Range</b>                     |                      | dB     | >60                 |       | >60                     | >60                    |
| <b>Total Harmonic Distortion</b> at RTG/REF.:   |                      |        | Typical             | Limit | Typical                 | Typical                |
| 70 dB Input at 500 Hz                           | %                    |        | 2                   | 5     | –                       | 5                      |
| 800 Hz  | %                    |        | 1                   | 4     | 2                       | 3                      |
| 1600 Hz   | %                    |        | 4                   | 7     | –                       | 6                      |
| <b>Equivalent Noise Level</b>                   |                      | dB SPL | 21                  |       | 26                      | 28                     |
| <b>Coil Sensitivity at F reference, 10 mA/m</b> |                      | dB SPL | 114                 |       | 104                     | 113                    |
| Supply Current                                  |                      | mA     | 1.6                 |       | 1.6                     | 1.6                    |
| Battery Life Type 675 zinc-air                  |                      | h      | 320                 |       | 320                     | 320                    |
| Reference Test Frequency (RTF)                  |                      | Hz     | 1000                |       | 1600                    | 1600                   |

\* RTG =  $L_{Amax} - 75$  dB; IEC 118-0 / A1



# Spectra PP+



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## Features

- The Spectra PP+ is especially suitable for **severe hearing losses**.
- The MTO switch is operated vertically for easy handling.  
M for microphone gives acoustical reception of all signals; T for telecoil gives reception of a magnetic field for school systems and loop systems in churches, theatres etc; O for off
- A **modern wind-noise protection** hook is used to enhance speech understanding and to give the instrument a nice, modern pleasing design
- A new type designation label on the inside of the instrument gives the dispenser and the user a clear identification of the instrument
- **Two trimmers** are available under a cover between the volume control and the MTO switch
- The NH tone trimmer will cut low frequencies approximately 15 dB at 500 Hz
- The PC trimmer will reduce the maximum output sound pressure level by approximately 10 dB
- The telecoil has been chosen for an efficient reproduction of magnetic sound fields for use in schools, churches, theatres etc
- A **high-capacity 675 battery** is placed at the bottom of the instrument