ReSound LiNX 3D™

Product Description

Micron-Helix 10A battery size (MH-S) hearing aids are available in 4 power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP).

The ReSound Smart Range C platform enables Surround Sound by ReSound.

The MH-S model features options for Push Button and Volume Control.

The ReSound LiNX 3D MH-S hearing aid components and faceplates are Isolate™ nanotech coated for optimum durability.

Technical Specifications

<table>
<thead>
<tr>
<th>Device</th>
<th>LT9 MIH-S*</th>
<th>LT7 MIH-S**</th>
<th>LT5 MIH-S***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
<td>10A</td>
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Audiological Features

WearCompensation (WearComp):
- number of channels
  - MH-S: 17
  - MP: 14
  - HP: 12

Environmental Optimizer II
- 

Noise Tracker II
- 

Expansion
- 

Sound Shaper
- 

LF/S Ultra II
- 

Tone Mode
- 

Volume Control
- 

Voice Mode
- 

Acceptance Manager
- 

User-Friendly Menu (Simplify VP)
- 

Weighted Gain Strategy
- 

Vowels/Soft (linear - Only LP)
- 

Tinnitus Sound Generator
- 

HiMode
- 

Volume Control
- 

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Functional Features

Basic settings:
- Full-on Gain, Reference Test Gain
- MPO = Maximum Power Output
- Maximum Band Width

Notes:
- O.E.S. = Occluded Ear Simulator
- 2cc = 2 cm³ coupler
- PI = Acoustic input signal

Measured according to IEC60118-0 Edition 3.0 2015-06: at 1.3 V, impedance 6.2 ohms and 23°C on 2cc coupler. Resp. on 2cc according to IEC60118-7 Second edition 2005-10 and ANSI/AHSA S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dBSPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

Manufacturer according to FDA:
ReSound North America
8001 Bloomington Freeway
Bloomington, MN 55420
1-888-735-4327
resound.com

ReSound Government Services
8001 Bloomington Freeway
Bloomington, MN 55420
1-800-392-9932
resound.com/veterans

Manufacturer according to Health Canada:
ReSound Canada
2 East Beaver Creek Road, Building 3
Richmond Hill, ON L4B 2N3
Canada
1-888-737-6863
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### Technical Specifications

#### LTMH-S (MP)

<table>
<thead>
<tr>
<th>Reference test gain (60 dB SPL input)</th>
<th>1600 Hz/HFA</th>
<th>40</th>
<th>36</th>
<th>dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-on gain (50 dB SPL input)</td>
<td>Max</td>
<td>59</td>
<td>50</td>
<td>dB</td>
</tr>
<tr>
<td>Maximum output (90 dB SPL input)</td>
<td>Max</td>
<td>127</td>
<td>119</td>
<td>dB SPL</td>
</tr>
<tr>
<td>Total harmonic distortion</td>
<td>800 Hz</td>
<td>0.9</td>
<td>0.7</td>
<td>%</td>
</tr>
<tr>
<td></td>
<td>1600 Hz</td>
<td>1.0</td>
<td>0.9</td>
<td>%</td>
</tr>
<tr>
<td>Teacol sensitivity (1 mA/m input)</td>
<td>Max</td>
<td>N/A</td>
<td>N/A</td>
<td>dB SPL</td>
</tr>
<tr>
<td>HFA - SPLV @ 31.6 mA/m (ANSI)</td>
<td>HFA</td>
<td>N/A</td>
<td>N/A</td>
<td>dB SPL</td>
</tr>
<tr>
<td>Full-on teacol sensitivity @ 1 mA/m</td>
<td>1600 Hz/HFA</td>
<td>N/A</td>
<td>N/A</td>
<td>dB SPL</td>
</tr>
<tr>
<td>Equivalent input noise</td>
<td>1.1</td>
<td>1.3</td>
<td>mA</td>
<td></td>
</tr>
<tr>
<td>Frequency range (DIN 45605/ANSI)</td>
<td>100-7170</td>
<td>100-7110</td>
<td>100-7110</td>
<td>Hz</td>
</tr>
<tr>
<td>Current drain</td>
<td></td>
<td></td>
<td></td>
<td>mA</td>
</tr>
</tbody>
</table>

| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 47 | 43 | dB |
| Full-on gain (50 dB SPL input)       | Max         | 69 | 60 | dB |
| Maximum output (90 dB SPL input)     | Max         | 127 | 119 | dB SPL |
| Total harmonic distortion            | 500 Hz      | 0.6 | 0.4 | % |
|                                     | 800 Hz      | 1.3 | 0.7 | % |
| Teacol sensitivity (1 mA/m input)    | Max         | N/A | N/A | dB SPL |
| HFA - SPLV @ 31.6 mA/m (ANSI)        | N/A         | N/A | N/A | dB SPL |
| Full-on teacol sensitivity @ 1 mA/m | 1600 Hz/HFA | N/A | N/A | dB SPL |
| Equivalent input noise               | 22          | 20 | 24 | dB SPL |
| Frequency range (DIN 45605/ANSI)     | 100-6930    | 100-6770 | 140-4720 | 100-4700 | Hz |
| Current drain                        | 1.2         | 1.2 | 1.1 | 1.1 | mA |

All specifications are subject to change without notice.

### Technical Specifications

#### LTMH-S (HP)

| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 47 | 43 | dB |
| Full-on gain (50 dB SPL input)       | Max         | 69 | 60 | dB |
| Maximum output (90 dB SPL input)     | Max         | 127 | 119 | dB SPL |
| Total harmonic distortion            | 500 Hz      | 0.6 | 0.4 | % |
|                                     | 800 Hz      | 1.3 | 0.7 | % |
| Teacol sensitivity (1 mA/m input)    | Max         | N/A | N/A | dB SPL |
| HFA - SPLV @ 31.6 mA/m (ANSI)        | N/A         | N/A | N/A | dB SPL |
| Full-on teacol sensitivity @ 1 mA/m | 1600 Hz/HFA | N/A | N/A | dB SPL |
| Equivalent input noise               | 22          | 20 | 24 | dB SPL |
| Frequency range (DIN 45605/ANSI)     | 100-6930    | 100-6770 | 140-4720 | 100-4700 | Hz |
| Current drain                        | 1.2         | 1.2 | 1.1 | 1.1 | mA |

All specifications are subject to change without notice.

### Technical Specifications

#### LTMH-S (UP)

| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 47 | 43 | dB |
| Full-on gain (50 dB SPL input)       | Max         | 69 | 60 | dB |
| Maximum output (90 dB SPL input)     | Max         | 127 | 119 | dB SPL |
| Total harmonic distortion            | 500 Hz      | 0.6 | 0.4 | % |
|                                     | 800 Hz      | 1.3 | 0.7 | % |
| Teacol sensitivity (1 mA/m input)    | Max         | N/A | N/A | dB SPL |
| HFA - SPLV @ 31.6 mA/m (ANSI)        | N/A         | N/A | N/A | dB SPL |
| Full-on teacol sensitivity @ 1 mA/m | 1600 Hz/HFA | N/A | N/A | dB SPL |
| Equivalent input noise               | 22          | 20 | 24 | dB SPL |
| Frequency range (DIN 45605/ANSI)     | 100-6930    | 100-6770 | 140-4720 | 100-4700 | Hz |
| Current drain                        | 1.2         | 1.2 | 1.1 | 1.1 | mA |

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### Technical Specifications

#### LTMH-S (HP)

| Reference test gain (60 dB SPL input) | 1600 Hz/HFA | 47 | 43 | dB |
| Full-on gain (50 dB SPL input)       | Max         | 69 | 60 | dB |
| Maximum output (90 dB SPL input)     | Max         | 127 | 119 | dB SPL |
| Total harmonic distortion            | 500 Hz      | 0.6 | 0.4 | % |
|                                     | 800 Hz      | 1.3 | 0.7 | % |
| Teacol sensitivity (1 mA/m input)    | Max         | N/A | N/A | dB SPL |
| HFA - SPLV @ 31.6 mA/m (ANSI)        | N/A         | N/A | N/A | dB SPL |
| Full-on teacol sensitivity @ 1 mA/m | 1600 Hz/HFA | N/A | N/A | dB SPL |
| Equivalent input noise               | 22          | 20 | 24 | dB SPL |
| Frequency range (DIN 45605/ANSI)     | 100-6930    | 100-6770 | 140-4720 | 100-4700 | Hz |
| Current drain                        | 1.2         | 1.2 | 1.1 | 1.1 | mA |

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