Technical Data

Phonak Virto B-10 O
(B90/B70/B50/B30) (M)

Compact ITE, battery size 10 (for fitting range, product details and available options, please see Product Information or visit www.phonakpro.com).

Unless otherwise specified, all data obtained are measured with 5 mm tubing and Phonak Target measurement settings.

Ear simulator data
IEC 60118-0: 1994

Output sound pressure level

- Full-on gain (Input 90 dB SPL)
- Reference test gain (Input 60 dB SPL)

Acoustic gain

- Full-on gain (Input 50 dB SPL)
- Reference test gain (Input 60 dB SPL)

Frequency range <100 Hz - 8000 Hz
Total harmonic distortion 500 Hz 800 Hz 1600 Hz
2% 2.5% 2%
Battery current Quiescent Working
1.1 mA 1.2 mA
Equivalent input noise level 19 dB SPL

Induction coil sensitivity

Maximum 1600 Hz (Input 1mA/m)
HFA-SPL IV RTLS/ETLS
86 dB SPL 0 dB
Reference test setting (Input 31.6 mA/m)

Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artefact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.

2cm³ coupler data
ANSI/ASA S3.22.2014
IEC 60118-0: 2015

Output sound pressure level

- Full-on gain (Input 90 dB SPL)

Acoustic gain

- Full-on gain (Input 50 dB SPL)
- Reference test gain (Input 60 dB SPL)

Frequency range <100 Hz - 7000 Hz
Total harmonic distortion 500 Hz 800 Hz 1600 Hz
1% 1.5% 1%
Battery current 1.2 mA
Equivalent input noise level 19 dB SPL

Induction coil sensitivity

Maximum 1600 Hz (Input 1mA/m)
HFA-SPL IV RTLS/ETLS
86 dB SPL 0 dB
Reference test setting (Input 31.6 mA/m)
Technical Data

Phonak Virto B-10 O
(B90/B70/B50/B30) (P)

Compact ITE, battery size 10 (for fitting range, product details and available options, please see Product Information or visit www.phonakpro.com).

Unless otherwise specified, all data obtained are measured with 5 mm tubing and Phonak Target measurement settings.

Ear simulator data
IEC 60118-0: 1994

Output sound pressure level

<table>
<thead>
<tr>
<th>Frequency range</th>
<th>500 Hz</th>
<th>800 Hz</th>
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</thead>
<tbody>
<tr>
<td>Total harmonic distortion</td>
<td>1%</td>
<td>2%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Battery current
Quiescent Working
1.0 mA 1.1 mA

Equivalent input noise level 19 dB SPL

Induction coil sensitivity
Maximum 89 dB SPL 1600 Hz (Input 1 mA/m)

Reference test gain (Input 31.6 mA/m)

Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.

2cm³ coupler data
ANSI/ASA S3.22-2014
IEC 60118-0: 2015

Output sound pressure level

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<tr>
<td>Total harmonic distortion</td>
<td>1%</td>
<td>1%</td>
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</tr>
</tbody>
</table>

Battery current 1.2 mA

Equivalent input noise level 19 dB SPL

Induction coil sensitivity
HFA-SPLIV RTLS/ETLS
94 dB SPL 0 dB

Reference test setting (Input 31.6 mA/m)
Technical Data

**Phonak Virto B-10 O**

**Phonak Virto B**

**B90/B70/B50/B30** (SP)

Compact ITE, battery size **10** (for fitting range, product details and available options, please see Product Information or visit [www.phonakpro.com](http://www.phonakpro.com)).

Unless otherwise specified, all data obtained are measured with **5 mm tubing** and Phonak Target measurement settings.

**Ear simulator data**

IEC 60118-0: 1994

**Output sound pressure level**

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<tr>
<td><strong>Total harmonic distortion</strong></td>
<td>1%</td>
<td>1.5%</td>
<td>1%</td>
</tr>
</tbody>
</table>

**Battery current**

- **Quiescent**
  - 1.1 mA
- **Working**
  - 1.2 mA

**Equivalent input noise level**

- 19 dB SPL

**Induction coil sensitivity**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>500</th>
<th>1000</th>
<th>5000</th>
<th>10000</th>
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<tr>
<td><strong>HFA</strong></td>
<td>-1 dB</td>
<td>96 dB SPL</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RTLS/ETLS</strong></td>
<td>-1 dB</td>
<td>96 dB SPL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Acoustic gain**

- **Maximum**
  - 70 dB
  - 61 dB
  - 45 dB

- **Full-on gain** (Input 50 dB SPL)
  - 60 dB
  - 54 dB
  - 37 dB

- **Reference test setting** (Input 60 dB SPL)
  - 60 dB
  - 54 dB
  - 37 dB

**2cm³ coupler data**

ANSI/ASA S3.22-2014

IEC 60118-0: 2015

**Output sound pressure level**

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<tbody>
<tr>
<td><strong>Total harmonic distortion</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>

**Battery current**

- 1.2 mA

**Equivalent input noise level**

- 19 dB SPL

Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.