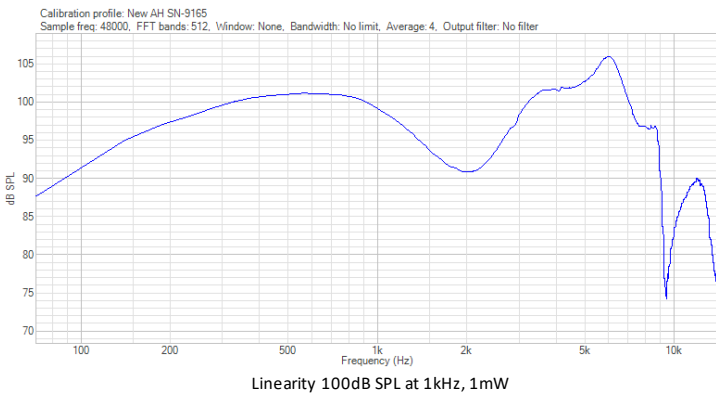




Oscilla H210A Audiometric headset



Specifications

| | |
|------------------------|--|
| Earphone receiver: | Dynamic moving coil, special built for audiometry. |
| Nominal impedance: | 10 ohm frequency response: 100 Hz – 8 kHz |
| Sensitivity: | 99 dB SPL at 1 kHz, 1 mW |
| Distortion: | < 1% at 110 dB SPL |
| Ambient attenuation: | See table |
| Max. continuous power: | 500 mW |
| Headband tension: | 10 N ±0.5N |
| Environmental: | RoHS compatible |

Compliance Standarts

| | |
|-----------|--|
| Standards | IEC 60645-1: 2017 ISO 389-8 ISO 389-9 IEC 60601-1: 2005/AMD1: 2012 IEC 60601-1-2: 2014 |
|-----------|--|

Oscilla H210A Calibration Correction Values

Report Reference No.: 1.61 - 4106973

| Coupler frequency | Puretone IEC 60318-1 with flat plate and conical ring | Free Field IEC 60318-1 with flat plate and conical ring | Ambient noise attenuation | Pure Tone Max dB HL* |
|-------------------|--|--|---------------------------------|-------------------------------|
| [Hz] | RETSPL [dB] | RETSPL [dB] | dB | dB |
| 125 | 34,7 | -3,7 | 8,5 | 85 |
| 160 | 29,6* | -1,8 | 9 | 90 |
| 200 | 23,8* | -3,2 | 11,9 | 100 |
| 250 | 16,5 | -2,3 | 16 | 105 |
| 315 | 13,5* | -1,5 | 19,7 | 100 |
| 400 | 9,7* | 0 | 24,2 | 110 |
| 500 | 5,1 | 0,6 | 26,3 | 115 |
| 630 | 2,9* | 1,4 | 29 | 115 |
| 750 | 0,9 | - | 29,2 | 115 |
| 800 | 1,3* | 0,4 | 29,3 | 125 |
| 1000 | 3,1 | 1,2 | 33,1 | 120 |
| 1250 | 1,6* | 1,5 | 31,2 | 120 |
| 1500 | 0 | - | 32 | 120 |
| 1600 | -0,6* | 0,2 | 34,1 | 120 |
| 2000 | -2,9 | 0,3 | 43,8 | 120 |
| 2500 | -1,8* | -3,1 | 48,4 | 120 |
| 3000 | -0,7 | - | 47,3 | 120 |
| 3150 | 0,8* | -7,0 | 42 | 120 |
| 4000 | 9,2 | -12,4 | 42,3 | 120 |
| 5000 | 13,5* | -8,5 | 46,7 | 110 |
| 6000 | 17,8 | - | 46,3 | 105 |
| 6300 | 18,5* | 3,8 | 46,1 | 100 |
| 8000 | 22,3 | -5,4 | 46,0 | 100 |

The investigation of the equivalent threshold sound pressure levels for Oscilla H210A was conducted regarding ISO 389-8 and ISO 389-9 by The Physikalisch-Technische Bundesanstalt (PTB) in Braunschweig, August 2021.

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* Values for these frequencies are derived by linear interpolation



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