# M-Core iX-CIC

## M-Core iX-CIC SDemo

80

60

40

DATA SHEET

- 60 dB / 125 dB SPL (ear simulator)
- 50 dB / 114 dB SPL (2 ccm coupler)

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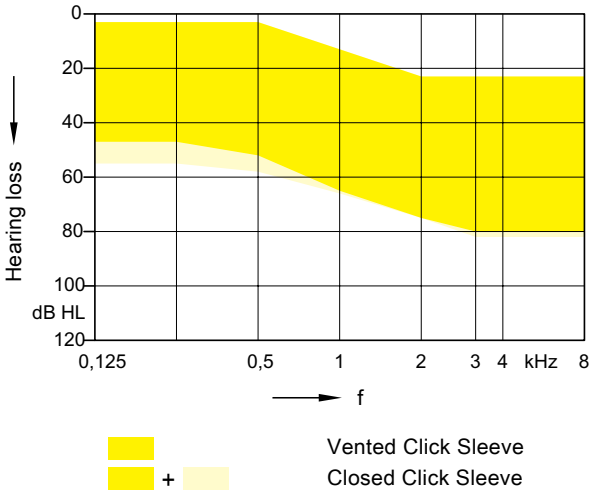
# M-Core iX-CIC · Technical Data

| | 2 ccm coupler | Ear simulator |
|---|---|---|
| **Output sound pressure level** | | |
| OSPL 90 at 1.6 kHz | – | 117 dB SPL |
| OSPL 90 (Peak) | 114 dB SPL | 125 dB SPL |
| HFA-OSPL 90 | 108 dB SPL | – |
| **Gain** | | |
| FOG at 1.6 kHz | – | 52 dB |
| FOG (peak) | 50 dB | 60 dB |
| HFA-FOG | 45 dB | – |
| Reference test gain | 31 dB | 42 dB |
| **Frequency, noise and directivity** | | |
| Frequency range 80<br>60 / 40 | 100 - 8600 Hz<br>100 - 8000 Hz | 110 - 9400 Hz<br>110 - 8000 Hz |
| Equivalent input noise | 20 dB SPL | 21 dB SPL |
| Total harmonic distortion at<br>500 / 800 / 1600 / 3200 Hz | 2 / 3 / 2 / 1 % | 3 / 5 / 6 / - % |
| Tinnitus Function broadband | 70 dB SPL | – |
| AI-DI | – | |
| **Inductive coil sensitivity** | | |
| MASL (1 mA/m) at 1.6 kHz | – | – |
| HFA MASL (1 mA/m) | – | – |
| HFA SPLITS (left/right) | – | – |
| RSETS (left/right) | – | – |
| HFA SPLIV | – | – |
| **Battery** | | |
| Battery voltage | 1.3 V | |
| Battery current drain | 1.2 mA | |
| Battery runtime (cell zinc air) | ~70 h | |
| Battery runtime (rechargeable) | – | |
| **IRIL IEC 60118-13:2016 Ed. 4.0** | | |
| 700-960 MHz (rating) | user | |
| 1400-2000 MHz (rating) | user | |
| 2000-2700 MHz (rating) | user | |
| **ANSI C63.19-2011** | | |
| 800-950 MHz (rating) | M4 | |
| 1600-2500 MHz (rating) | M4 | |

Please find additional information to the values on page ‘‘Further Information’’

# M-Core iX-CIC · Fitting Range

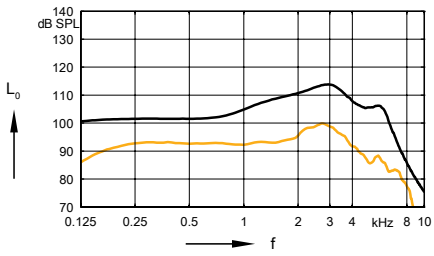



Vented Click Sleeve

\+ Closed Click Sleeve

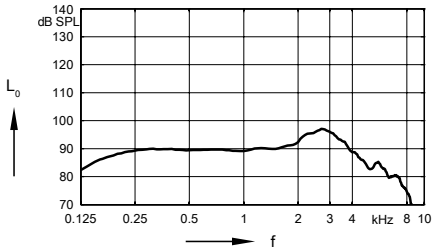
# M-Receiver (Closed Click Dome) · Basic Data

## 2 ccm coupler



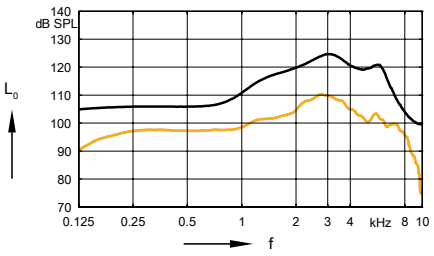

Max. Output sound pressure level ($L_I$ = 90 dB)

Full on gain ($L_I$ = 50 dB)



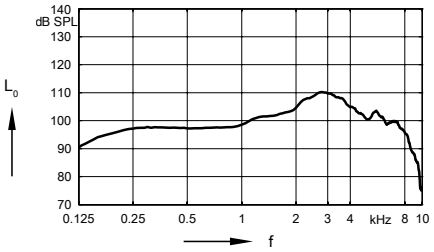

Frequency response ($L_I$ = 60 dB)

## Ear simulator




Max. Output sound pressure level ($L_I$ = 90 dB)

Full on gain ($L_I$ = 50 dB)




Basic acoustic response ($L_I$ = 60 dB)

# M-Core iX-CIC · Features and Accessories

| | 80 | 60 | 40 |
|---|---|---|---|
| **Features** | | | |
| Channels / Controls / Programs | 48 / 20 / 6 | 32 / 16 / 6 | 24 / 12 / 6 |
| Soundpro | High Res | High Res | High Res |
| My Voice (own voice processing) | — | — | — |
| Direct Streaming / Auto Volume | — | — | — |
| Wireless Sync | ● | ● | ● |
| Directionality | Automatic<br>Adaptive<br>iOmni<br>Front & Back<br>Left & Right<br>Narrow | Automatic<br>Adaptive<br>iOmni<br>Front & Back | Automatic<br>Adaptive<br>iOmni |
| Noise Reduction | Noise Management<br>SoundSmoothing<br>Directional | Noise Management<br>SoundSmoothing<br>Directional | Noise Management<br>SoundSmoothing |
| Wind Noise Reduction | Standard<br>Binaural | Standard<br>Binaural | Standard |
| Reverb Reducer | ● | — | — |
| Bandwidth: Extension / Compression | ●/● | — / ● | — / ● |
| Music Enhancer (Live / Recorded / Playing) | ● | ● | — |
| Tinnitus Function | Sound Therapy<br>Notch Therapy | Sound Therapy<br>Notch Therapy | Sound Therapy<br>Notch Therapy |
| XPhone | ● | ● | ● |
| Acclimatization / Data logging | ●/● | ●/● | ●/● |
| **Accessories** | | | |
| Smart Mic | — | — | — |
| Smart Transmitter 2.4 | — | — | — |
| Smart Key | ● | ● | ● |
| Rexton App | ● | ● | ● |
| M-Core CROS 312 | — | — | — |
| M-Core CROS R-Li | — | — | — |
| M-Core CROS iX-CIC | ● | ● | ● |

● available — not available

# M-Core iX-CIC · Further information

## Abbreviations

The following abbreviations are used in this datasheet:

| | |
|---|---|
| **OSPL** | Output Sound Pressure Level |
| **HFA** | High Frequency Average |
| **FOG** | Full-On Gain |
| **MASL** | Magneto Acoustical Sensitivity Level |
| **SPLITS** | Coupler SPL for an Inductive Telephone Simulator |
| **RSETS** | Relative Equivalent Telephone Sensitivity |
| **SPLIV** | SPL In a Vertical magnetic field |
| **AI-DI** | Articulation Index - Directivity Index |
| **IRIL** | Input Related Interference Level |
| **RTF** | Reference Test Frequency |

## Standards

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- ▶ HD Bandwidth up to 10 kHz for 80 devices only.
- ▶ Figures representing Equivalent Input Noise incorporate a moderate expansion.
- ▶ Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil battery door only.
- ▶ The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery runtime is based on first fit settings using 60% of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery runtime is determined by battery quality, hearing loss, sound environment, usage and activated feature set. Regarding RF usage (Bluetooth streaming) two different conditions are considered.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

⚠ WARNING

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.

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Subject to change without prior notice

Order No. 04273-99T1-7600