CANTA 7

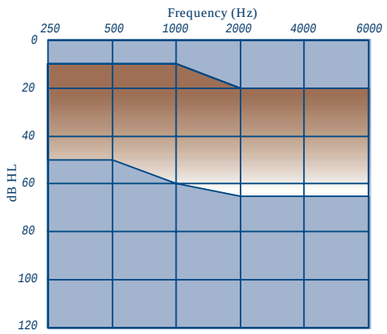
PRODUCT INFORMATION

Canta7 CIC — Model 710

Product Description

The Canta7 series model 710 is a fully digital, semi-modular Completely-In-The-Canal (CIC) hearing instrument based on the exclusive GN ReSound software-based DSP platform. The instrument features Digital Feedback Suppression (DFS) for avoiding feedback problems, without reducing gain. In addition, Canta7's "LASER" system (64-Band Spectral Enhancement and fast-syllabic Noise Reduction), combined with Cochlea Dynamics sound processing, provides the clearest and most comfortable hearing experience.

Fitting Range



Key Features:

- 14-Band Fast-Syllabic Noise Reduction
- 64-Band Spectral Enhancement
- 14-Band Cochlea Dynamics compression
- Adaptive Digital Feedback Suppression (DFS)
- In-Situ loudness scaling
- SmartStart power-up timer

Standard Configuration

- Transparent removal cord
- Size 10 battery

Options

- 3 different faceplate colours
- Red and Blue transparent shells

3D digital

GN ReSound
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TECHNICAL DATA

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CE 0297

About GN ReSound

GN ReSound is widely recognized as the hearing industry's technology leader. At GN ReSound, we are dedicated to globally develop and market products and services that enable hearing care professionals to improve the lives of people with reduced hearing.

The GN ReSound brand builds upon the heritage of the former ReSound Corporation and GN Danavox. Our product portfolio covers the complete GN ReSound product line.

The GN ReSound Group ranks among the top two companies in the hearing healthcare industry with subsidiaries in 19 countries and distributors in 70 countries. The GN ReSound Group presently employs more than 3.400 people.

Worldwide headquarters
GN ReSound as
Mårkærvej 2A • P.O. Box 224
DK-2630 Taastrup, Denmark
Tel.: +45 72 11 11 11
Fax: +45 72 11 11 88
www.gnresound.cc

United Kingdom
GN ReSound Ltd.
1 Landscape Close
Weston Business Park
Weston-on-the-Green
Oxon OX25 3SX
Tel.: 0 1869 343 500
Fax: 0 1869 343 466
www.gnresound.co.uk

Australia
GN ReSound Pty. Ltd.
Unit R1 Regent Park Estate
391 Park Road
Regent Park NSW 2143
Tel.: 02 9743 9707
Fax: 02 9743 7472

New Zealand
GN ReSound (NZ) Ltd.
Level 1, 42a Porana Road
Glenfield
Auckland
Tel.: (free) 0800 900 126
Fax: (free) 0800 007 695

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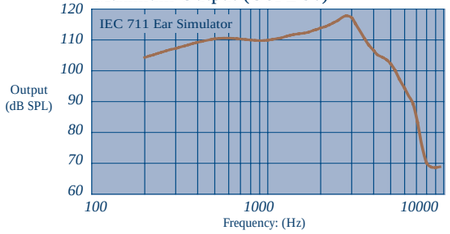
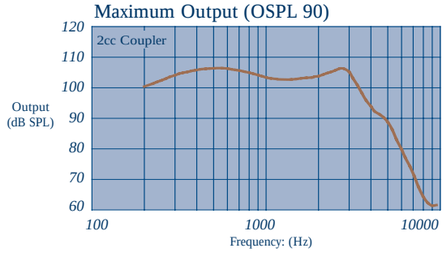
Technical Specifications		IEC 60118-0 IEC 711 Ear Simulator	IEC 60118-7 2cc Coupler
Reference Test Gain (60 dB SPL Input)	1600 Hz	30 dB	20 dB
Full-On Gain (50 dB SPL Input)	Max.	48 dB	36 dB
	1600 Hz	38 dB	29 dB
Maximum Output (90 dB SPL Input)	Max.	118 dB SPL	107 dB SPL
	1600 Hz	112 dB SPL	103 dB SPL
Total Harmonic Distortion	800 Hz	1.0%	0.5%
	1600 Hz	0.8%	0.5%
Equivalent Input Noise w/o Noise Reduction		28 dB SPL	28 dB SPL
Frequency Range (DIN 45605)		150-7000 Hz	100-6300 Hz
Current Drain		1.0 mA	1.0 mA
Typical Battery Life	Battery type 10	70 hrs	70 hrs

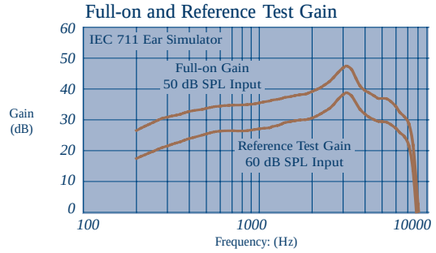
Maximum Output (OSPL 90)



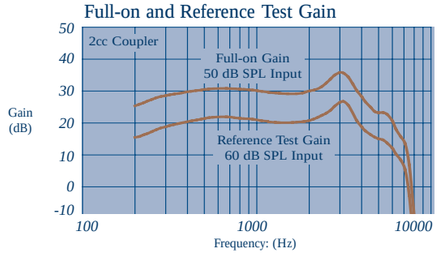
Maximum Output (OSPL 90)



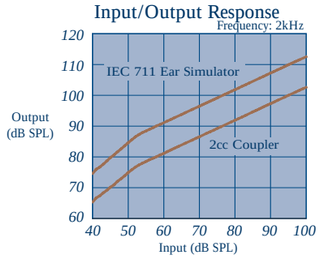
Full-on and Reference Test Gain



Full-on and Reference Test Gain



Input/Output Response



Full-on Gain Parameter Settings

G[80]	22	22	22	22	22	22	22
G[50]	36	36	36	36	36	36	34

Reference Test Gain Parameter Settings

G[80]	15	15	15	15	15	15	15
G[50]	29	29	29	29	29	29	27

Settings in Aventa fitting software using Kemar IG & Pure Tone Stimuli view modes

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14-Band Compression System

Syllabic Compression

Threshold	≤ 45 dB SPL in each band
Compression Ratio	1.0 to 3.0 (programme dependent in each handle)
Attack Time	5 ms
Release Time	70 ms (120 ms at 250 Hz)

Input Limiting

Threshold	75 to 100 dB SPL (programme dependent in each handle)
Compression Ratio	> 15.0
Attack Time	5 ms
Release Time	70 ms

Feature Options:

14-Band Fast-Syllabic Noise Reduction	Mild, Moderate, Strong, Off
64-Band Spectral Enhancement	On, Off
Digital Feedback Suppression	Normal, Slow, Off
SmartStart	On, Off

All specifications subject to change without notice.

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V. Unless otherwise stated, all measurements made without Noise Reduction, Spectral Enhancement or DFS active.