

CANTA⁷

PRODUCT INFORMATION

Canta7Open ITC

Product Description

The Canta7 series model 730-OC is a fully digital In-The-Canal (ITC) hearing instrument with a large vent and step vent design for highest comfort.

The instrument is based on the exclusive GN ReSound software based DSP Platform.

The ComforTec™ software package delivers optimal compromise between comfort and high gain.

Model 730-OC



WarpOpen Compression System

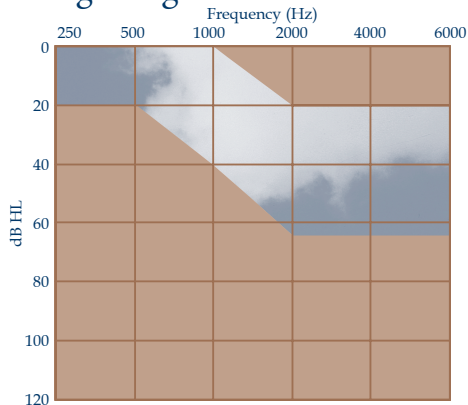
Syllabic Compression

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

Output Limiting

Threshold	0 to -9 dB relative to max. output
Compression Ratio	> 15.0
Attack Time	5 ms
Release Time	70 ms

Fitting Range



GN ReSound as
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DK-2630 Taastrup • Denmark
Tel.: +45 72 11 11 11
Fax: +45 72 11 11 88
www.gnresound-group.com

Key Features:

- The ComforTec™ package:
 - WarpOpen™ Wide Dynamic Range Compression
 - Fast Acting Noise Reduction with low level expansion
 - Stabilizer™ DFS, Digital Feedback Suppression
 - Super-fast signal processing
 - Multi-band, fast-syllabic noise reduction
- Up to 4 environmental programmes, easily accessed by pushbutton
- Step vent design for improved comfort

Standard Configuration

- Stand-by mode switch via pushbutton
- Acoustic indicator for programme selection
- Size 312 or 10A Battery

Options

- 3 different faceplate colours
- Programmable telecoil

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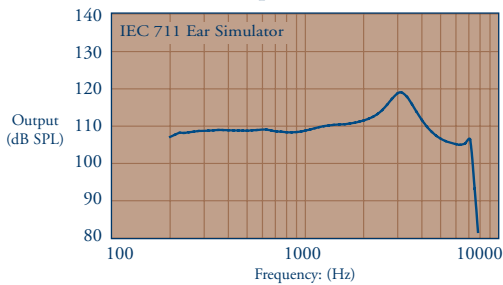
Model 730-OC



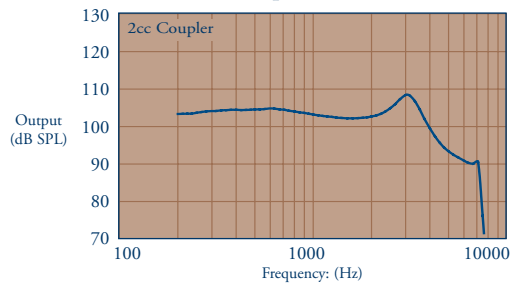
Technical Specifications		IEC 60118-0 IEC 711 Ear Simulator	IEC 60118-7 2cc Coupler
Reference Test Gain (60 dB SPL Input)	1600 Hz	33 dB	25 dB
Full-On Gain (50 dB SPL Input)	Max.	54 dB	44 dB
	1600 Hz	44 dB	36 dB
Maximum Output (90 dB SPL Input)	Max.	119 dB SPL	108 dB SPL
	1600 Hz	111 dB SPL	102 dB SPL
Total Harmonic Distortion	800 Hz	1.6%	1.6%
	1600 Hz	1.6%	1.6%
Telecoil Sensitivity (1 mA/m Input)	Max.	83 dB SPL	73 dB SPL
Telecoil Sensitivity (10 mA/m Input)	Max.	103 dB SPL	93 dB SPL
Equivalent Input Noise w/o Noise Reduction		31 dB SPL	27 dB SPL
Frequency Range (DIN 45605)		200-7100 Hz	200-6700 Hz
Current Drain		0.9 mA	0.9 mA
Typical Battery Life	Battery type 312	137 hrs	137 hrs
	Battery type 10A	78 hrs	78 hrs

Data in accordance with IEC 60118-0, IEC 60118-7; Supply Voltage 1.3 V.

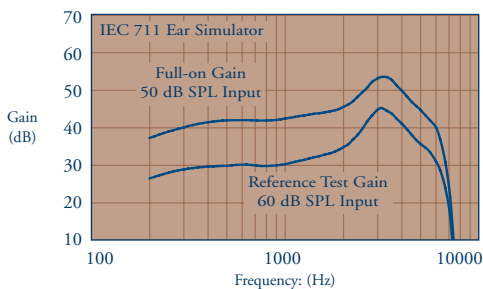
Maximum Output (OSPL 90)



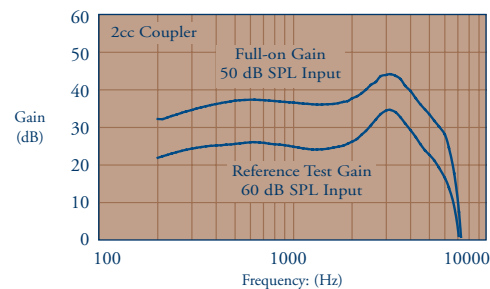
Maximum Output (OSPL 90)



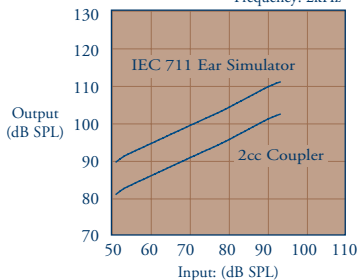
Full-on and Reference Test Gain



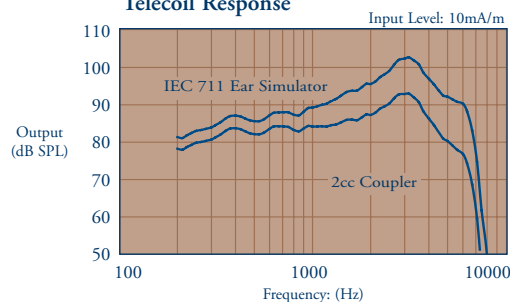
Full-on and Reference Test Gain



Input/Output Response
Frequency: 2kHz



Telecoil Response



Full-on Gain Parameter Settings

G[80]	22	22	22	22	22	22
G[50]	40	40	40	40	40	34

Reference Test Gain Parameter Settings

G[80]	15	15	15	15	15	15
G[50]	33	33	33	33	33	27

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

Patents pending.

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