

Quantum™ 20/12/6

Micro CIC

Signature features

20/12/6 channels

Automatic program with SmartFocus

Clients can experience superior automatic performance with the optimal blend of multiple listening environments. In addition, the integration of SmartFocus™ further improves speech understanding in noise or provides optimal comfort automatically

Quantum 20 provides a blending of 3 listening environments plus a unique specialized treatment of music

Quantum 12 provides a blending of 3 listening environments

Quantum 6 provides a blending of 2 listening environments

Pinna Effect (Quantum 20 only)

This feature uses sophisticated calculations to recreate natural sound

Natural Sound Balance

An adaptive feature to minimize artifacts that can occur when amplified sound combines in the ear canal with direct sound. Natural Sound Balance continuously monitors these sounds and makes precision adjustments to preserve a clear, balanced signal

Automatic Adaptation Manager

Allows for an automatic and smooth adjustment period for the client; providing the best possible first fit acceptance combined with maximum long-term benefit for speech understanding

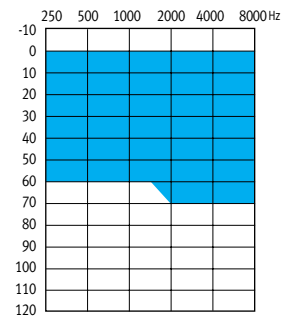
Feedback manager

Feedback manager offers maximum usable gain by suppressing feedback transients before they become audible

Additional features

- AntiShock™
- MyMusic™
- Wind noise manager
- Speech enhancement LD
- Noise reduction
- Data logging
- IntelliVent technology

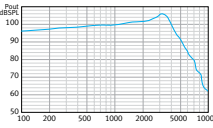
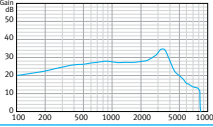
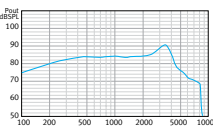

Fitting guides



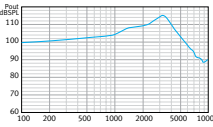
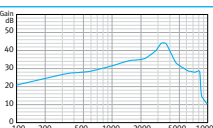
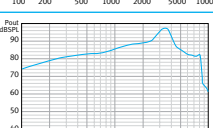
Quantum micro CIC

Quantum micro CIC is suitable for fitting mild to moderately severe hearing losses.

ANSI 3.22 2003/IEC 118-7 2CC COUPLER TECHNICAL DATA

	Reference test frequency - IEC 118-7 (kHz)	1.6
	OSPL₉₀	
	Maximum (dB SPL)	108
	Nominal (dB SPL)	105
	ANSI HFA (dB SPL)	101
	at RTF (dB SPL)	101
	Full on gain (input 50 dB SPL)	
	Maximum (dB)	35
	ANSI HFA (dB)	28
	at RTF (dB)	27
	Basic frequency response (ANSI 2003)	
	Frequency range (Hz)	100-8300
	Reference test gain (dB)	24
	Current drain at RTG (mA) 10A	1.1
	Typical battery life (h) 10A	90
	Equivalent input noise at RTG (dB SPL)	22
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2/2/1
	Electromagnetic compatibility	
	EMC immunity by ANSI C63.19-2001 EMC, omni	M4

IEC 118-0 OES COUPLER TECHNICAL DATA

	Reference test frequency - IEC 118-0 (kHz)	1.6
	OSPL₉₀	
	Maximum (dB SPL)	115
	at RTF (dB SPL)	109
	Full on gain (input 50 dB SPL)	
	Maximum (dB)	44
	at RTF (dB)	34
	Basic frequency response	
	Frequency range (DIN 45605) (Hz)	100-8400
	Reference test gain (dB)	28
	Current drain at RTG (mA) 10A	1.1
	Typical battery life (h) 10A	90
	Equivalent input noise at RTG (dB SPL)	22
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1/1/0.5
	Electromagnetic compatibility	
	EMC immunity by IEC 60118-13, field strength 75/50 V/m, omni IRIL low/high band (dB SPL)	31/35

LEGEND

— Quantum 20/12/6
micro CIC

TEST CONDITIONS

Battery size: 10A; Tubing: 4 mm; Source voltage: 1.3 V; Impedance: 16 Ohms; Vent: closed at canal end
Measurement data obtained with hearing aid set to linear, omni mode with all adaptive features disabled.
We reserve the right to change specification data without notice as improvements are introduced.