

# Quantum™ E

## Micro CIC

### Signature features

#### 6 channels

#### SmartFocus

SmartFocus™ is a fitter adjustable control for comfort or clarity

#### 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

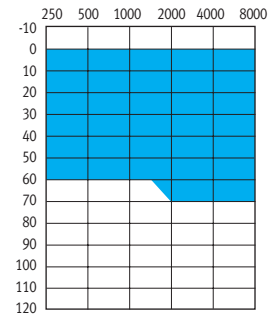
#### Feedback manager

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

### Additional features

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

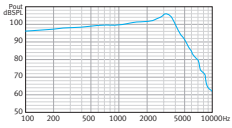
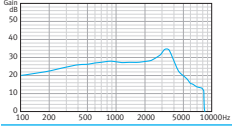
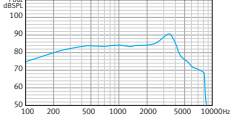
### Fitting guides



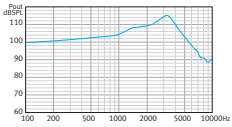
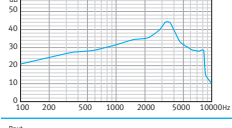
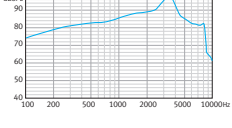
Quantum E micro CIC

Quantum E 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
	<b>OSPL<sub>90</sub></b>	
	Maximum (dB SPL)	108
	Nominal (dB SPL)	105
	ANSI HFA (dB SPL)	101
	at RTF (dB SPL)	101
	<b>Full on gain (input 50 dB SPL)</b>	
	Maximum (dB)	35
	ANSI HFA (dB)	28
	at RTF (dB)	27
<b>Basic frequency response (ANSI 2003)</b>		
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	
<b>Electromagnetic compatibility</b>		
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
	<b>OSPL<sub>90</sub></b>	
	Maximum (dB SPL)	115
	at RTF (dB SPL)	109
	<b>Full on gain (input 50 dB SPL)</b>	
	Maximum (dB)	44
	at RTF (dB)	34
	<b>Basic frequency response</b>	
	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	
<b>Electromagnetic compatibility</b>		
EMC immunity by IEC 60118-13, field strength 75/50 V/m, omni IRIL low/high band (dB SPL)	31/35	

## LEGEND

— Quantum E  
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.