# MAESTRO



# **ACI 28**



DESCRIPTION

- 16 band noise reduction
- 14 band frequency shaping
- 12 level occlusion manager
- 4 channel linear to WDRC compression

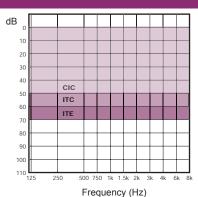
4 level noise reduction Multi-level voice enhancer Multi-pattern microphone directionality Multi-level peak smoothing manager Adaptive feedback canceller Choice of ITE, ITC or CIC style Color choice for faceplate and shell With or without external Volume control

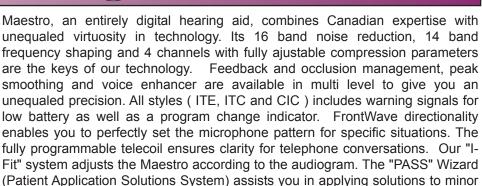
#### Additional cost options

FrontWave™ dual microphone (ITE,ITC) Programmable telecoil On / Off switch



#### FITTING RANGE









programming issues that may occur during the fitting. Finally, our "SAM" (Situations Automated Manager) system will provide environmental adaptability.



Maestro ITE

Maestro ITC

Maestro CIC

			ANSI S3.22-1987				IEC 118-7 1994			
	Typical			Limits	Typical Li			Limits		
Styles	ITE	ITC	CIC		ITE	ITC	CIC			
SSPL Saturation (dB)										
Peak	116	114	109	±4	116	114	109	±4		
HF-average	114	110	106	±4		-	-	-		
SPL Gain (dB)										
Peak	45	40	35	±4	45	40	35	±4		
HF-average	42	33	31	±4	-	-	-	-		
Reference test gain (dB)										
1 000 - 1 600 - 2 500 Hz	37	33	29	±4	-	-	-	-		
1 600 Hz	-	-			40	34	31	±4		
Frequency response (Hz)	200-6500				-					
Total harmonic distortion (%)										
Input 70 dB @ 500 Hz	2,1	0,3	1,3	<8	-	-	-	-		
Input 70 dB @ 800 Hz	2,5	1,0	1,0	<8		-	-	-		
Input 70 dB @ 1 000 Hz	-	-	-	-	1,3	0,8	2,7	<8		
Input 65 dB @ 1 600 Hz	1,1	0,5	0,8	<8	-	-	-	-		
Battery life (hrs)										
13 ZA	138	-	-	-	152	-	-	-		
312 ZA	-	94	-	-		108	-	-		
10 ZA	-	-	58	-	-	-	61	-		
Battery life (mA)	1,59	1,16	0,94	-	1,44	1,01	0,90	-		
Equivalent input noise (dB)	21	25	27	<32	24	30	28	<35		
Attack time (ms)	adjustable				adjustable					
Release time (ms)	adjustable				adjustable					

#### Added features

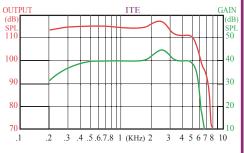
- -Low battery indicator.
- -Program change indicator.
- -Venting correction.
- -With / without external volume control.
- -Standard and high compression fitting formulas.

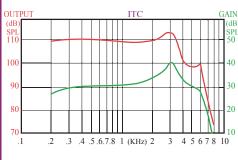
#### Software features

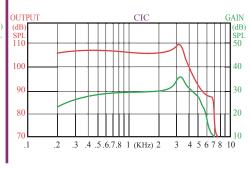
- -I-Fit (Automatic adjustment)
- -"PASS" Wizard (Patient Application Solutions System)
- -FOG (Full On Gain)
- -"SAM" System (Situations Automated Manager)

Hear the difference!

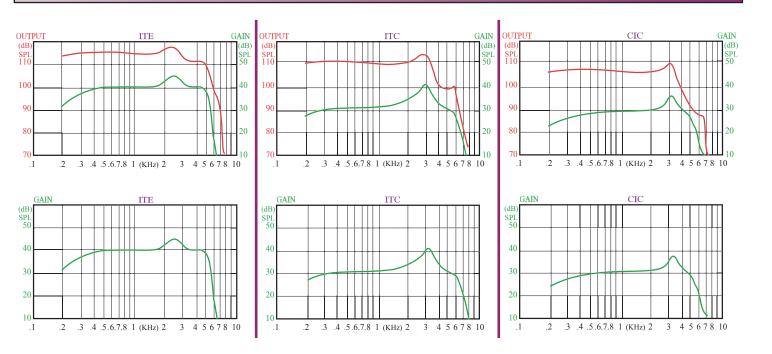
## ANSI S3.22 1987 DATA







#### **IEC 118-7 1994 DATA**



Note: The given data in this document represent maximal characteristics. They are also subject to changes without notice.



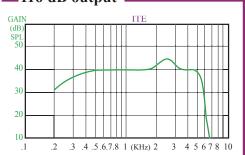
250, King E. Sherbrooke (Qc) Canada J1G 1A9 Tel.: 1 (800) 567-2711 / (819) 569-9986 Fax: (819) 823-6696

http://www.audiocontrole.com

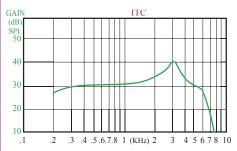


#### 50 dB input curves

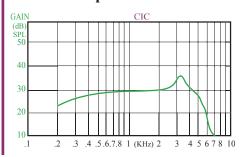
#### \_\_116 dB output |



■114 dB output ■

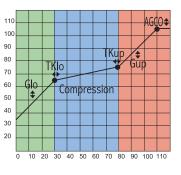


■109 dB output ■



### **COMPRESSION FEATURES**

- -Glo and Gup gains operate vertically, moving up or down on their own curve.
- -TKlo and TKup threshold changes the knee points along Glo and Gup curves.
- -Glo varies lower gain sounds (under Tklo level).
- -Gup varies upper gain sounds (above TKup level).
- -Tklo and TKup adjust the width of compression zone.
- -Because the points move along the Glo curve, horizontal movement of Tklo also produces a vertical movement.
- -Because the points move along the Gup curve, horizontal movement of Tkup also produces a vertical movement.
- -When Glo=Gup, the aid is in its linear mode, therefore varying Tklo and TKup will produce no changes, since those points move along the same curve.
- -AGCO allows reduction of the ouptut level up to 16dB.



## **POLAR PATTERNS**







Cardioid



Supercardioid



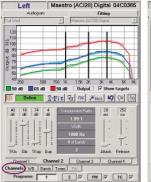
Hypercardioid

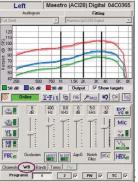


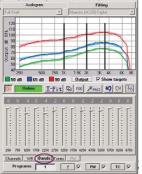
Bidirectional

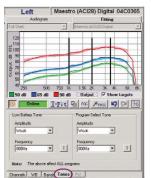
Maestro has a FrontWave<sup>TM</sup> directional microphone system. It consists of two separate microphones and an adjustable delayed circuit. This system permits a very wide flexibility when adjusting the directional characteristics. The above diagrams represent certain directional caracteristics accessible through the Audio Fit software.

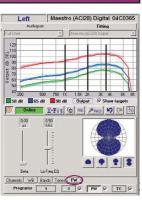
#### **AUDIOFIT FITTING TABS**











# AVAILABLE ADJUSTMENTS SOFTWARE OVERVIEW

