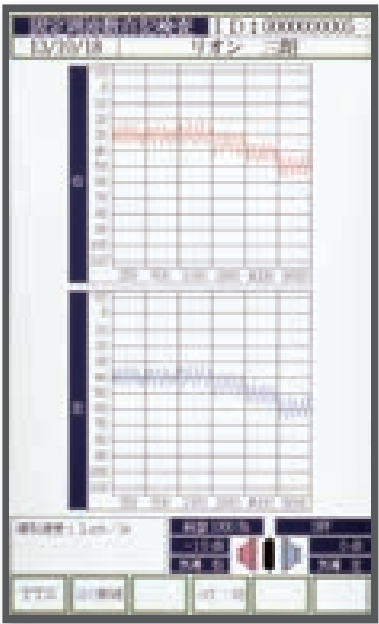


TTS test

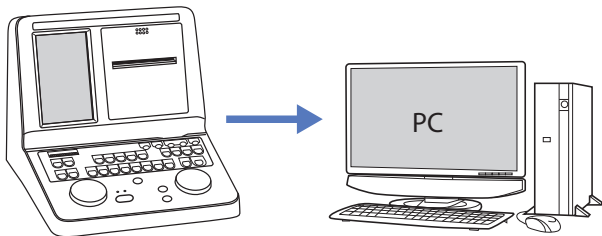
- Test can be performed in 3 minutes or 6 minutes per frequency.
- Up to 4 frequencies can be recorded.



Fixed-frequency Bekesy

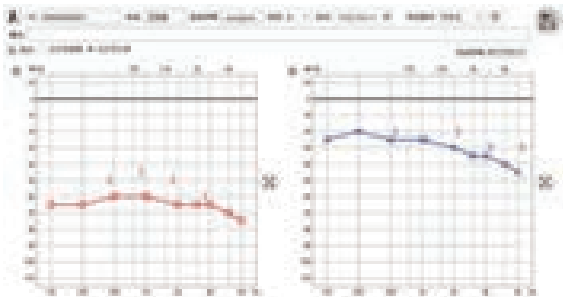
- Test results of right and left ear for six frequencies of 250 – 8000 Hz can be recorded separately.

Connection with computer



- Audiogram can be transferred to RION fitting software.

- By linking with PC software (option), the test results can be stored and printed out anytime.



Audiometer AA-M1C1

Specifications

Test functions

Test item:	Pure-tone audiometry	Air conduction: Standard Bone conduction: Mastoid (open), Forehead (occluded)
	Screening test	Air conduction
Above threshold test	Bekey audiometry	SISI Test, ABLB Test
	TTS test, Fixed-frequency Bekesy	TTS test, Fixed-frequency Bekesy
Speech test	External input	External input

Pure-tone Audiometry

Pure tone frequency	
Air conduction:	125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz
Bone conduction:	250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz
Pure tone level range	
Air conduction:	-10 to 110 dB HL (maximum)
Bone conduction:	-10 to 70 dB HL (mastoid open / no correction, maximum)
Output level	
• Reference equivalent threshold sound pressure levels of air condition earphone conform to JIS T 1201-1:2011.	
• Reference equivalence threshold force levels of bone vibrator conform to JIS T 120-1:2011.	
• Output of bone conduction can be output with the following combination depending on the placing site and compensation for the effect of the ear canal occlusion: Mastoid open / no compensation, forehead occluded / no compensation, forehead occluded / with compensation.	

Frequency error:	For each frequency $\pm 2\%$
Output level error:	Air conduction: 125~4000 Hz $\pm 3$ dB 6000, 8000 Hz $\pm 5$ dB
	Bone conduction: 250~4000 Hz $\pm 4$ dB 6000, 8000 Hz $\pm 5$ dB

Hearing level scale:	5 dB step
Total harmonic distortion:	Air conduction: 2.5% or less
	Bone conduction: 5.5% or less

Interrupter:	Intermittent frequency: 2.2Hz Fixed, Operation reversible
Rise and fall time:	40 ms
Masking noise (common to tests other than the speech test)	
Band noise for masking:	
According to JIS T 1201-1:2011 Narrow band noises (1/2.5 octave band width)	

Band noise Center frequency	
125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz	
Masking noise level range:	
Band noise: 0 to 105 dB HL (maximum)	
Masking noise level scale:	
5-dB step	

Average hearing level:	
Automatic display and printing (3-frequency, 4-frequency and 6-frequency average)	
Automatic threshold test	
Masking method: Automatic Plateau and Fixed masking	

Screening test

Test frequency and test tone level

Frequency	Test tone level
1000 Hz	30 dB fixed
4000 Hz	30 dB or 40 dB

Above threshold test

SISI test	
SISI test tone incremental level: 1 dB (Training and Checking: 5 dB)	
Tone incremental period: 5 seconds	
• Display and record the response patterns up to 4 frequencies for left and right ear.	
• The response pattern and SISI score are printed.	
ABLB test	
Test frequency and level range: Same to the pure tone output range (Air conduction only).	
However, the minimum output level in the masking noise level dial is 0 dBHL.	
• Displays and records test results up to 4 frequencies	
• Interchangeable the right and left ear on the screen display (impaired ear / good ear)	

Bekesy

Test frequency	
Fixed frequency self-check (air conduction only): Select from 6 frequencies of 250, 500, 1000, 2000, 4000, 8000 Hz	
TTS test (air conduction only): Select from 11 frequencies from 125 to 8000 H	
Frequency direction sweep rate:	
0.5, 1, 2 octave / min (Fixed Bekesy)	
1 scale / minute, Fixed (TTS)	

TTS test time:	3.6 minutes / frequency
TTS Test results:	Up to 4 patterns can be recorded

Speech hearing test

Test sound source:	External input
Hearing level measurement range:	-10 to 100 dB (air conduction only)
Masking noise	
Speech noise: According to JIS T 1201-2: 2000, Weighted random noise	
Level range: 0 to 100 dB HL	

Digital section

Interface RS - 232 - C:	Data output LAN: Data output and input
Display unit:	7 inch wide color LCD, 800 x 480 dot, resistance film touch panel
Built-in printer:	4-inch thermal printer, 832 dots / line, 8 dots / mm

Others

Talk over:	Can be used by connecting an optional microphone
Talkback:	Can be used by connecting an optional microphone (Output to the right channel of monitor earphone)
Built-in alarm:	Ringing in the completion of the test, confirmation and the abnormality, ON / OFF switchable
Other functions:	External alarm, internal clock

Power supply

Power supply:	AC220V 50Hz, 60VA
Electrical shock protection:	Class 1, Type B

Ambient conditions

Ambient conditions for use:	15 to 35°C, 30 to 90 % RH. (without condensation)
Ambient conditions for transportation and storage:	-10 to 50°C, 10 to 90 % RH. (without condensation)

Dimensions and Weight

350 (W) x 395 (D) x 290 (H) mm, 5.8 kg

Accessories

Earphone with cord for air conduction audiometry	AD-02BF1	1	Patient response switch	PO-02F	1
Bone vibrator	BR-41	1	Monitoring earphone (stereo type)	4EHD2440	1
Cord for Bone vibrator	EB-538F	1	Power cord		1
Headband for air conduction audiometry	EB-30	1	Thermal recording paper	TP-42	2
Headband for Bone vibrator BR-41	EB-02	1	Recording paper axis	AA-M1-025	1
			Fuse	0218002.MXP	2

Specifications subject to be changed without notice

Made in Japan

**RION CO., LTD.**  
URL: <http://www.rion.co.jp/english>

3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan  
Telephone: +81-42-359-7862 Fax: +81-42-359-7457

Distributed by:



AA-M1C1

# Audiometer AA-M1C1

■ Ideal for clinical practice in otolaryngology clinic



Space saving  
is achieved  
with a width of  
about 350 mm

Easy operation with  
touch panel

Audiogram  
can be printed  
by built-in printer



It is the most suitable audiometer for clinical practice in otolaryngology clinic. It can be used for hearing threshold test at clinics and hearing screening test at medical checkup institutions.

Features

- AA-M1C1 has necessary inspection functions at clinical site such as pure-tone audiometry, above-threshold test and Bekesy audiometry.
- Pure-tone audiometry (manually and automatically) can be used for diagnosis as well as medical checkup.
- Bone conduction test can be performed at forehead or mastoid.
- Talk over and talk back functions are available. (Microphone is separately necessary.)

Size down to save space

The width is 15.7% smaller than that of our previous audiometer (AA-79).

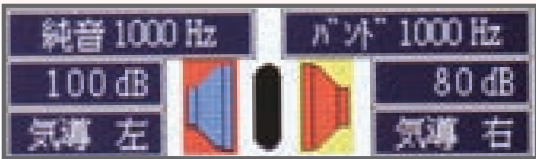


Easy operation with touch panel

The settings and ID input can be operated by touch panel.



Warning display function



Warning display

The background of the output display turns yellow in the level of 80 dB or more and turns red in the level of 100 dB or more.

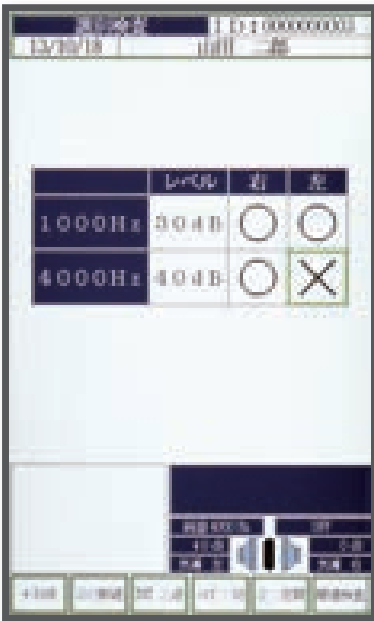


Indication lamp

The indication lamp lights in orange at a level of 80 dB or more, and red at a level of 100 dB or more.

Hearing tests for health examination

For the health checkup at schools, companies and others, hearing tests with this audiometer can be performed.



Screening test

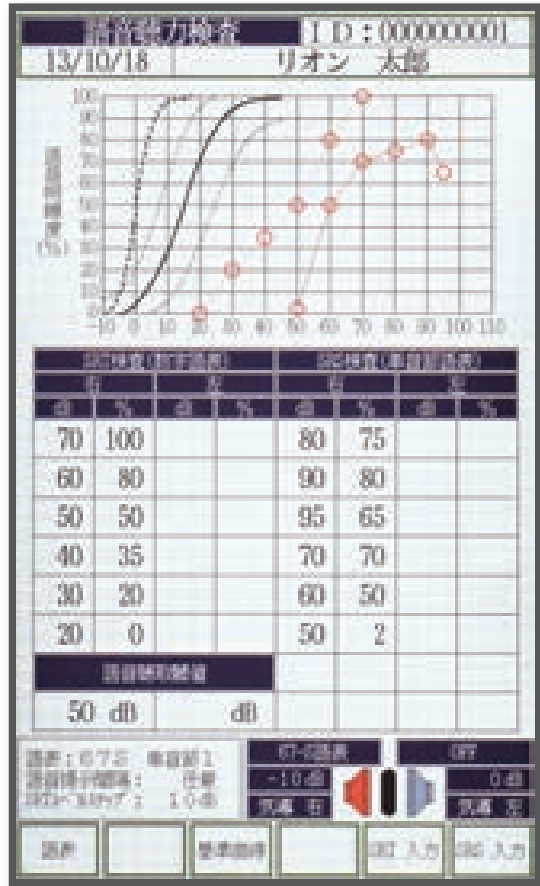
- The test can be performed manually or automatically.



Threshold test

- The test can be performed manually or automatically.
- The test results are displayed numerically in the threshold table

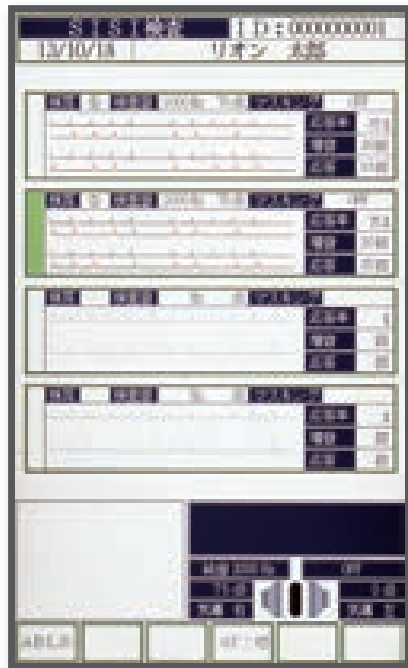
Speech Audiometry



Speech audiogram

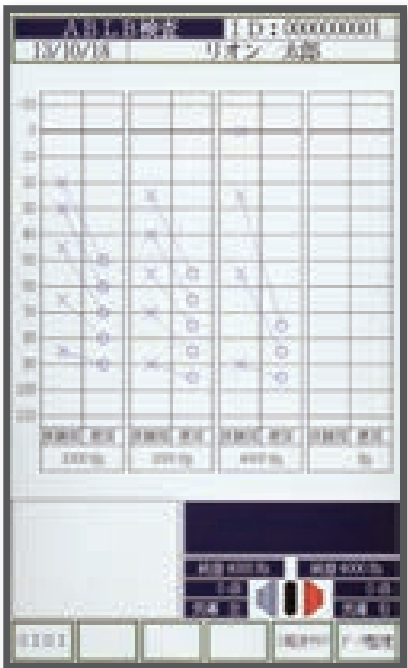
- The level for the SRT (speech-reception threshold) test can be set to decrease 5 or 10-dB step automatically.
- With the talkback function, operator can listen to the subject's voice and presentation words with the monitoring earphones.

Threshold upper hearing test



SIS test

- Short Increment Sensitivity Index test  
The test progress can be checked on the screen.



ABLB test

- Alternate Binaural Loudness Balance test  
Operator can interchange the impaired ear and the good ear on the condition setting screen.