



SA 203™

DIAGNOSTIC AUDIOMETER



SA 203 is a manual / automatic, true two channel, diagnostic audiometer with full frequency and output range together with synchronized masking possibility. SA 203 is digital and RoHS compatible and thus, well adapted to the modern user and environmental concerns. SA 203 is user friendly, robust, reliable and yet affordable.

Free-field system is optional with the SA 203. Combine your choice of audiometric earphones making masking an easier task. These features and the storage capacity of 50 audiograms make this system very flexible and optimal in determine the necessity of further examination. SA 203 is NOAH-compatible when using Entomed Audi-Link 1.00 for NOAH 3.

Function

SA 203 is an **automatic**/manual pure tone and bone conduction diagnostic audiometer with narrow band masking possibilities.

The SA 203 has a set-up menu, which allows the audiometer to be programmed according to individual needs.

50 audiograms together with date, time and personal identification can be stored in the internal memory.

Each test result can be displayed, transferred to a computer or an external printer on a later occasion. It has a built-in microphone for easier communication with the test object. Free field speaker system is optional.

SA 203 may be calibrated for TDH-39 earphones, Sennheiser HDA200 earphones, EARTone 5A insert earphones and bone vibrator Radioear B71.

Signal format

Continuous steady when bar is pressed

Single pulse (1.3 sec duration)

Pulsing (2.5 pulse/sec)

Frequency modulation ($\pm 5\%$)

Special Capabilities

Built-in talk forward microphone with volume control

Internal memory - stores up to 50 complete audiograms in non-volatile memory

Synchronized Masking- The level of masking will automatically track with the stimulus level

Printing possibilities to any PCL 5 Printer when using SA 06 Printer Interface kit (optional accessory)

RS 232 interface

Transfer possibilities to NOAH 3 when using Entomed Audi-Link 1.00 for NOAH 3

Dimensions

Width* Height* Depth: 376* 73* 264 (mm)

Weight: 1,5 kg

Power supply: 110 V - 240 V, 50 - 60 Hz

Frequency Range

Maximum Levels Manual/Automatic mode

Hz	Minimum is -10 dB	Minimum is -10 dB	Minimum is 0 dB
125	80/80 dB	-	80/- dB
250	100/100 dB	45/45 dB	80/- dB
500	120/110 dB	60/60 dB	100/- dB
750	120/110 dB	60/60 dB	100/- dB
1000	120/110 dB	70/70 dB	100/- dB
1500	120/110 dB	70/70 dB	100/- dB
2000	120/110 dB	70/70 dB	100/- dB
3000	120/110 dB	70/70 dB	100/- dB
4000	120/110 dB	70/70 dB	100/- dB
6000	110/110 dB	60/60 dB	100/- dB
8000	110/100 dB	60/60 dB	90/- dB

Air
Conduction

Bone
Conduction

Narrow Band
Noise

Accuracy $\pm 1\%$

Total Harmonic Distortion
< 2 % earphones
< 5 % bone conductor

Ordering confirmation

EN 104030 - SA 203 diagnostic audiometer

Accessories supplied

EN 200170 - TDH-39

EN 560128 - External medical grade power supply

EN 550xxx - Mains cord as specified in order (Country specific)

EN 200000 - Bone vibrator - Radioear B71

EN 200060 - Subject response switch

EN 970026 - User manual in english

Optional Accessories

EN 200170 - TDH-39

EN 100360 - EARTone 5A

EN 370166 - Sennheiser HDA 200

EN 200700 - Free field speaker system

EN 200905 - SA 06 Printer Interface kit

EN 200235 - RS 232 computer cable

EN 101211 - Audimax II software for PC

EN 500184 - Hard case

EN 500191 - Soft case

EN 200920 - Entomed Audi-Link 1.00 for NOAH 3

Standards

The SA 203 is an **automatic**/manual IEC 60645 Type 3 pure tone and bone conduction diagnostic audiometer and meets or exceeds the following standards: IEC 60645-1; ISO 389-1; ISO 389-2; ISO 389-3; ISO 389-4; ISO 8253-1; ISO 8253-2; IEC 60601-1-Medical Electrical Equipment Requirements for Safety and Performance
IEC 60601-1-2 Medical Electrical Equipment Requirements for EMC Compatibility

Specifications are subject to change without notice.



The SA 20X-IV generation of the Entomed audiometers is digital and RoHS compatible and thus, well adapted to the modern user and environmental concerns. All products in the SA 20X-series are user friendly, robust, reliable and yet affordable. Entomed SA20X-Series covers user needs from basic screening capabilities to advanced diagnostic functionalities required by audiologists dispensing hearing aids.

- SA 201™ - Screening Audiometer
- SA 202™ - Screening Audiometer
- SA 203™ - Diagnostic Audiometer
- SA 204™ - Diagnostic Audiometer

The SA 20X-IV series is replacing the previous platform SA 20X-II also sold under the brand names GSI 66, GSI 67 and GSI 68.

For further inquiries do please visit Entomed website or contact your local dealer.



Manufactured by:
Entomed AB

TecDoc145 Rev 6



Entomed Audiometric systems, SA 20X line, comply with the European RoHS-Directive 2002/95/EC when choosing Sennheiser HDA200 and/or E-A-RTONE 5A



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