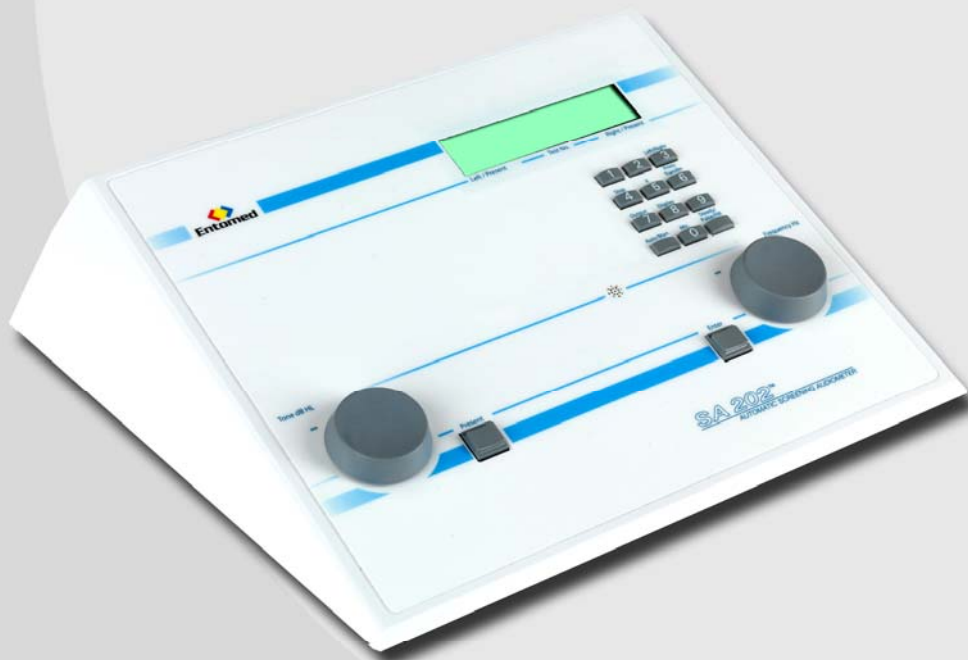




# SA 202™

## SCREENING AUDIOMETER



SA 202 is a manual / automatic, true two-channel, pure-tone, air conduction screening audiometer with full frequency and output range. Its patented digital design and RoHS compatibility makes it well adapted to the modern, environmentally aware user. SA 202 is user friendly, robust, reliable and yet its light-weight design makes it ideal for frequent field use. Built-in talk forward microphone for convenient communication.

SA 202 stores up to 50 audiograms, with date and subject identification, allowing for hard copy prints and/or transfer to a computer at any time. Calibrates to a range of selected audiometric air conduction earphones.

SA 202 is ideal for screening and hearing threshold determination, designed for frequent practise and portable field use.

### Function

SA 202 is a manual/automatic pure-tone screening audiometer. It has a set-up menu, which allows the audiometer to be programmed according to individual needs.

50 audiograms with date, time and personal identification can be stored in the internal memory. Each audiogram can be displayed, transferred to a computer and/or external printer at any time. Built-in talk forward microphone for convenient communication with the test subject.

SA 202 calibrates to TDH-39, DD45, HDA 200 earphones and ER-5A insert earphones.

### Signal Format

Single pulse (1.3 sec duration)

Continuous pure-tone when button is maintained active

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

Hard copy print-outs to any PCL 5 printer, via optional SA 07 printer interface cable

Computer interface, via optional RS 232 computer cable

### 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 and Automatic mode

Hz	Minimum is -10 dB
125	80 dB
250	100 dB
500	110 dB
750	110 dB
1000	110 dB
1500	110 dB
2000	110 dB
3000	110 dB
4000	110 dB
6000	110 dB
8000	100 dB

Air Conduction

Accuracy  $\pm 1\%$

Total Harmonic Distortion  
< 2% earphones

### Ordering Information

EN 104024 - SA 202 w DD45 supra-aural phones

EN 104021 - SA 202 w HDA 200 circumaural phones

EN 104022 - SA 202 w ER-5A insert phones

EN 104020 - SA 202 w TDH-39 supra-aural phones

### Standard Accessories Supplied

EN 200060 - Subject response switch

EN 560128 - External medical grade power supply

EN 550xxx - Mains cord, country specific - specify in order

EN 9700xx - User manual, English/Spanish - specify in order

### Optional Accessories

EN 200190 - DD45

- supra-aural

EN 370166 - Sennheiser HDA 200

- circumaural

EN 100360 - EARTone 5A

- insert

EN 200170 - TDH-39

- supra-aural

EN 200907 - SA 07 Printer interface cable

EN 200235 - RS 232 computer cable

EN 101181 - Audimax II+ software for PC

EN 500184 - Hard carrying case

EN 500191 - Soft carrying case

### Standards

The SA 202 is a manual/automatic IEC 60645-1 Type 4 pure-tone, air conduction screening audiometer and meets or exceeds the following standards: IEC 60645-1; ISO 389-1; ISO 389-2; ISO 8253-1;

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 Entomed SA 20X-IV generation audiometers are based upon a patented digital design. The RoHS compatibility makes them well adapted to the modern, environmentally aware user. All products in the SA 20X-series are user friendly, robust, reliable and yet of a light-weight design ideal for frequent field use. The Entomed SA 20X-series covers user needs from basic screening capabilities to advanced diagnostic clinical needs 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 generation is replacing the previous SA 20X-II platform, also sold under the GSI 66, GSI 67 and GSI 68 brand names.

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




Manufactured by:  
Entomed AB  
Malmö, Sweden

TecDoc 144 Rev 9.



Entomed SA 20X-IV generation audiometric systems complies with the European RoHS-Directive 2002/95/EC when choosing DD45, HDA 200 and/or ER-5A

  
**Entomed**  
Bariungatan 29  
SE-213 64 Malmö, Sweden  
Tel: +46 40 21 00 90  
Fax: +46 40 21 00 99  
E-mail: mailbox@entomed.se  
Web: www.entomed.se