



# ASRA AUDIOMETER

Classic Audiometer



**The ASRA Audiometer** employs modern electronics, coupled with continually developing software, to provide a unique range of facilities in a user-friendly package, for progressive occupational health professionals.

- **Simple auto/semi/manual operation with full categorisation of results**
- **Rapid testing and full range capability**
- **Unlimited storage on disk with on-screen help**
- **Flexible setup facilities to personalise the test**
- **Reports printed A4 size on a test or batch basis**
- **Updateable program can interface to occupational health databases**
- **Reporting and analysis software included**

**GM INSTRUMENTS**

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**Customer driven software upgrades are available annually to expand the features available and to ensure each Asra is kept totally up to date.**

Installation and training are included with UK deliveries at no extra cost and a comprehensive warranty and support package is available to ensure customers continue to enjoy the benefits ASRA offers, for years to come.

## The ASRA main program provides:

- **Automatic test routines** following the British Society of Audiology recommendations for pure tone testing.
- **Semi-automatic or manual** test routines.
- **Recall date calculation** with operator override.
- **Single** or multiple pulse options.
- **Storage** of audiograms on disk.
- **Recall of stored results** to screen for comparison with current test.
- **A4 format printout** of results.
- **Option to merge data** with user-definable letters.
- **Adaption of test protocol** to suit patient and operator.
- **Wide intensity range** (-20dB to +120dB) to allow accurate assessment for all age groups.
- **Wide frequency range** (125Hz to 12kHz) with 4 standard frequency lists.
- **Export of results data** in a form suitable for all modern database software.

## The ASRA utility program adds:

- **Production of recall lists** showing name, ID number, audiogram date, recall date, and previous result categorisation for any period in the future.
- **Production of test lists** containing the same information but based on a previous time range and selected by audiogram date.
- **Statistical analysis** of audiograms found during any search sequence by category with the option to print it out e.g. annual statistics.
- **Production of a Word mail merge file** containing audiogram information selected by date and category to facilitate the generation of referral documentation.
- **Trend analysis search** which calculates annual loss figures to help identify those suffering accelerated hearing loss.



## System Package

A full system comprises the ASRA Audiometer with earphones, patient response button, USB cable, a PC running Windows and a printer.

If you already have a suitable machine available, ASRA can be supplied without the computer and printer. It's equally at home with a standalone laptop or desktop PC or a fully networked system. The computer has to have a free USB port, to link with ASRA, but does not have to be physically beside it.

## SPECIFICATION

<b>Test Time</b>	From 5.5 minutes
<b>Frequencies</b>	Select from 125, 250, 500, 750Hz 1, 1.5, 2, 3, 4, 6, 8, 12kHz
Accuracy	± 0.1%
Harmonic Distortion	1%
<b>Hearing Level Range</b>	-20dB to +120dB
Accuracy	± 1dB
Linearity	± 1%
<b>Standards</b>	Audiometry BS EN 60645 Electrical BS EN 60601 CE Marked Class IIa
<b>Categorisation</b>	H&SE Scheme
<b>Safety</b>	Automatic Limitation of SPL
<b>Size</b>	27 x 6 x 28cm
<b>Weight</b>	2Kg
<b>Power</b>	110/230/240v 10W

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