CA850 Series 5

Automatic audiometer

The **CA850 Series 5** audiometer is the definitive industrial screening audiometer. It is designed to meet all current and future audiometric screening requirements and will automatically measure, record and categorise hearing levels in the most effective manner possible.

- **Automatic audiometry**
- **Three test methods including the self recording/Bekesy test**
- **On screen audiogram display**
- **HSE results categorisation**
- **Ease of use**
- **Internal database with password protection**
- **Bi-directional PC interface**
- **Integral talkover facility**
- **Integral keyboard**

Test type

Three test methods including the self recording/Bekesy and manual test ensure that the appropriate test type can be used to fulfil an audiometric screening program.

Ease of use

From switch-on, three key presses and a test is performed. The audiogram and related test information are displayed on the large integral LCD for review and to ensure no inconsistencies. Results analysis is automatically performed in accordance with the HSE categorisation procedures and innovative features can identify 'at risk' personnel within the internal database.

Test recording

Utilising USB technology, the **CA850 Series 5** offers comprehensive results options. Archive quality prints, an internal database (with password protection) and a PC link facilitate all data recording requirements. The instrument can also be supplied with Amplivox Audibase PC software for user defined statistical analysis and trending requirements.

The ideal audiometer

Compact, lightweight and extremely reliable by virtue of the fact that there are no moving parts, it is the ideal audiometer for both desktop and mobile screening requirements.



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Technical specifications

Output/input data

Frequency range (Hz):	500, 1K, 1K5, 2K, 3K, 4K, 6K, 8K
Frequency accuracy:	<1%
Distortion:	<2%
Output level range:	-10dB HL to 95dB HL
Output level accuracy:	±3dB
Test modes:	Self recording/Bekesy Computer Manual
Output level step size:	Self recording / Bekesy; 2.5dB Computer; 5dB Manual; 5dB
Threshold level:	Self recording/Bekesy; 1dB Computer; 5dB Manual; 5dB

Results analysis

Default mode; Automatic HSE categorisation

Physical data

Graphic display:	115 x 86mm display area
Internal memory:	2000 tests
Printer & PC interface:	via USB port
Communication:	Integral talkover channel
Power:	100-240V ac 50-60 Hz
Dimensions (mm):	330 x 250 x 98 high
Weight:	1.6kg

Standards

The CA850 Series 5 conforms to the relevant clauses of the following standards.

Safety:	IEC 60601-1: 1990
EMC:	IEC 60601-1-2: 1993
Audiometric:	IEC 60645-1
CE mark:	Complies to EU Medical Device Directive

Equipment

Standard equipment

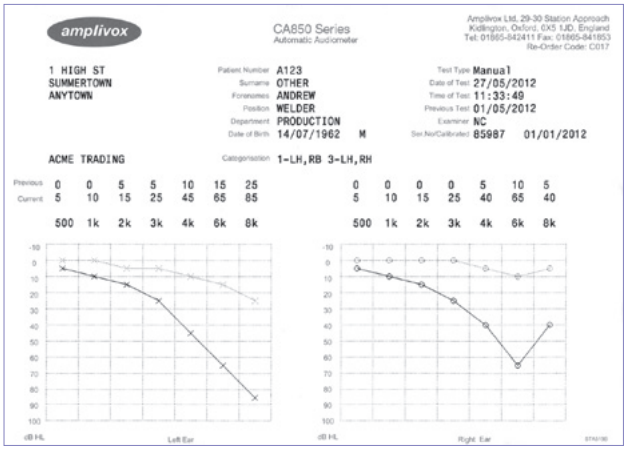
- Audiometric headset
- Patient response switch
- Audiogram cards (250)
- Mains adaptor
- Carrying case
- Operation manual
- Quick reference guide

Optional equipment

- Designated portable printer
- Audiocups (noise reducing headset enclosures)
- 'Audibase' Audiogram database software
- ER75 Electro-acoustic ear simulator
- Audiogram cards (250)
- Printer ink cartridge

Print options

Using the designated optional printer a number of print formats are provided to assist with the analysis of test results. Record listings, summary reports and complete test records (illustrated below) can be printed at the touch of a button.



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The Amplivox policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication.