

# CA850 Series 4

*Industrial audiometer*



The **CA850 Series 4** 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.

## Test type

Three test methods including the Bekesy 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 4** offers comprehensive results options. Archive quality prints, an internal database and a bi-directional PC link facilitate all requirements. The instrument can also be supplied with Amplivox Audibase PC software for statistical analysis 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.

- **Automatic audiometry**
- **Three comprehensive test methods including Bekesy test**
- **On screen audiogram**
- **HSE results categorisation**
- **Ease of use**
- **Internal database**
- **Bi-directional PC interface**
- **Integral talkover facility**
- **Integral keyboard**



*specialists in healthcare products*

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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:	Bekey Computer Manual
Output level step size:	Bekey; 2.5dB Computer; 5dB Manual; 5dB
Threshold level:	Bekey; 1dB Computer; 5dB Manual; 5dB

## Results analysis

HSE categorisation procedure

## Physical data

Graphic display:	115 x 86mm display area
Internal memory:	1000 tests
PC interface:	via USB port
Communication:	Integral talkover channel
Power:	240V ac 50/60 Hz
Dimensions (mm):	330 x 250 x 98 high
Weight:	1.55kg

## Standards

The CA850 Series 4 conforms to the relevant clauses of the following standards.

Safety:	EN60601-1: 1990
EMC:	EN60601-1-2: 1993
CE mark:	Complies to EU Medical Device Directive

## Equipment

### Standard equipment

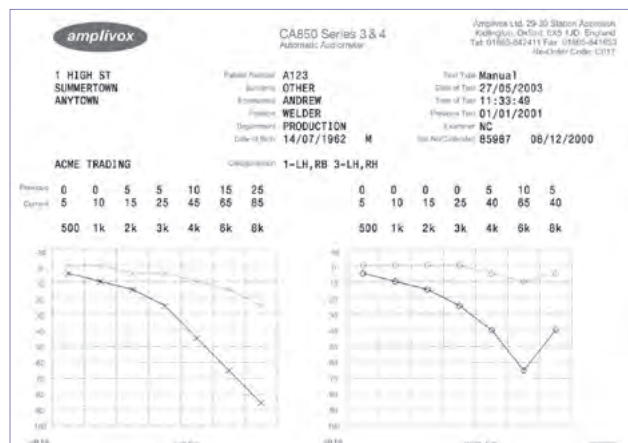
- Audiometric headset
- Patient response switch
- Audiogram cards (250)
- Mains adaptor
- Carrying case
- Operation manual
- Quick reference guide

### Optional equipment

- Designated portable printer
- Audiocups (noise reducing headset enclosures)
- 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.



**amplivox**

Amplivox Ltd, 29-30 Station Approach  
Kidlington, Oxford, United Kingdom OX5 1JD  
Tel: +44 (0)1865 842411 • Fax: +44 (0)1865 841853  
E-mail: sales@amplivox.ltd.uk

[www.amplivox.ltd.uk](http://www.amplivox.ltd.uk)