

# Oscilla® SM950

## Diagnostic Memory audiometer



- \* large memory \*
- \* parallel and serial port \*
- \* three automatic threshold tests \*

# SPECIAL FEATURES

- Serial- & parallel port.
- Very readable displays.
- Noise free push buttons.
- 3 fully automatic threshold tests.
- Storage capacity: 29 audiograms.
- Calibration without entering the cabinet.
- Soundpressure to 110 dB (Bone: 70 dB)
- Automatic printout of complete audiogram.
- Narrow band masking. Intensity up to 110 dB.
- 11 frequencies: 125 Hz - 8000 Hz (selectable).
- Option of visualising the audiogram during the test.

**Oscilla® SM950 Diagnostic Memory audiometer** is a unit, where all functions are controlled by an advanced microprocessor. **Oscilla® SM950 Diagnostic Memory audiometer** contains a storage capacity of 29 audiograms; which all may be stored for later printout or transfer to patient file. The backup memory will save all data when the unit is turned off. The audiograms will be transferred in a format, which makes it possible to transfer data to patient file (e.g. Medex, Apex, Æskulap, E.M.Data, Otologic). Or you may use software designed especially for Oscilla, making it possible to create a database of your own.

The device automatically selects the correct symbols for left or right ear as well as masking and bone. If you visualise the results on the screen during a test, one push on the DATA button will update the audiogram. Is a printout required, simply press the PRINT button - and you will, within a few seconds, have a full audiogram printed out.

The build-in tone generator is crystal driven and delivers very stable frequencies making it incentive to temperature fluctuations. The **Oscilla® SM950 Diagnostic Memory audiometer** may perform either manual or fully automatic hearing test - the DATA and PRINT procedures are the same in both cases.

## Technical specifications:

Frequencies: 11 fixed frequencies from 125 Hz to 8000 Hz.  
Hearing Level Range: -10 dB to 110 dB in 5 dB steps.

## Maximum intensities:

Frequency Hz	125	250	500	750	1000	1500	2000	3000	4000	6000	8000
Air conduction dB	70	90	110	110	110	110	110	110	110	100	90
Bone Conduction dB	0	40	60	60	70	70	70	70	60	40	0
Masking dB	60	80	100	100	100	100	100	100	100	90	80

## Narrow Band Masking:

Narrow Band Masking follows automatically the tone frequency and when tone is given to one ear the narrow band masking is connected to the opposite ear. During bone conduction masking will be connected to RIGHT earphone. By means of SETUP the masking attenuator may be linked to the tone attenuator; masking attenuator may still be operated individually.

## Setup:

If allows you to change some of the functions of the device, making it possible for you to use a setup fitted to your individual needs. The program stores the changes until a new setup is made, and you have the following options:

- Mode 1) The option of selecting or de-selecting frequencies.
- Mode 2) Tone durations on 0, 0.5, 1.0 and 1.5 seconds.
- Mode 3) Option of selecting or de-selecting storage capacity.
- Mode 4) You may choose to turn off the tone when you change frequency or channel.
- Mode 5) Masking may be turned off when changing frequency and/or channel.
- Mode 6) 20 dB automatic threshold test, standard automatic test or random 20 dB automatic test.
- Mode 7) Following printers may be selected: 24 pin printer, Bubble Jet, Laser printer IBM pro-printer or any printer by your own choice.
- Mode 8) When using IBM this mode chooses carriage return.
- Mode 9) You may choose to have two separate audiograms (air & bone) printed out on test data from the same patient.
- Mode 10) You may choose to have RIGHT & LEFT printed separately.
- Mode 11) Connection/disconnection of the key to AudioConsole.