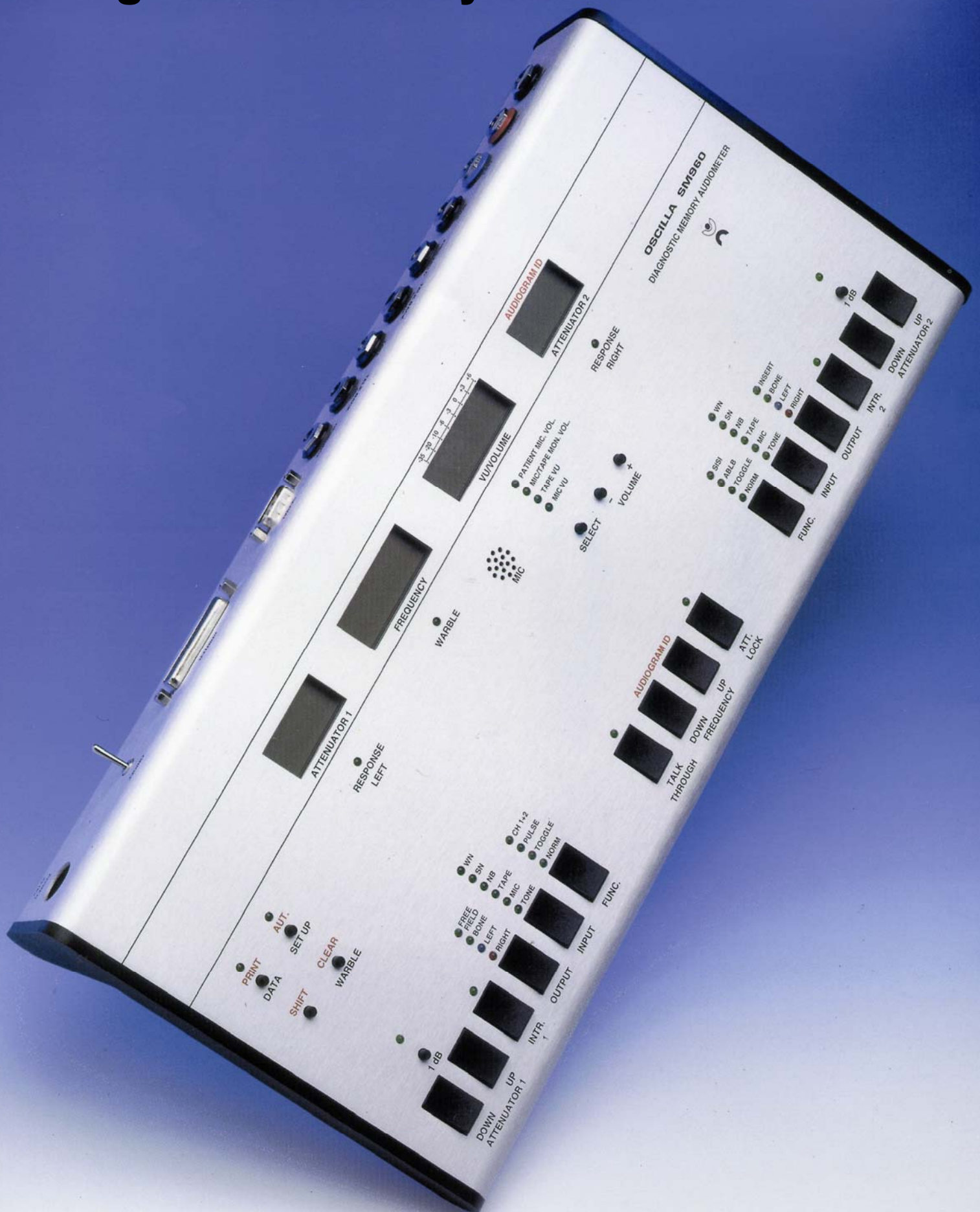


Oscilla[®] SM960-D Diagnostic Memory Audiometer



* PC compatible *

SPECIAL FEATURES

NOAH
compatible

Two Channels.
Pure and Warble tone.
Processor controlled calibration.
Built-in Talk Through and talk back monitor.
Noise free attenuators in 5 dB or 1 dB steps.
Connections for Bone, Insert and Free Field.
Three types of masking noise including Narrow Band.
Calibrated speech audiometry by live voice or tape/CD.
Automatic SISI / 3 fully automatic threshold and screening tests.

Built-in Inputs:

Pure and Warble Tone Generator with 11 frequencies from 125 Hz to 8000 Hz.

Masking: Narrow Band, Speech Noise and White noise.
Microphone.

All inputs are available from both channels.

Noise free attenuators:

Range from: -10 to 110 dB in steps of 5 or 1 dB.

Sound pressure may be changed without interruption of the sound. By means of the 'LOCK' button, channel 2's attenuator may be locked to Channel 1, and consequently, the sound pressures are adjusted for both channels simultaneously.

Channel 2 may still be operated separately.

Memory: A total of 23 audiograms.

External Inputs:

Tape or CD.

Outputs:

Air and Bone available from both channels.

Calibration for two sets of earphones.

Free Field channel 1. Mono insert channel 2.

Interface: Computer interface: RS232C

Distortion: Less than 0.5 %.

Intensity Range Air:

Frequencies Hz	125	250	500	750	1000	1500	2000	3000	4000	6000	8000
Pure Tone, Air conduction dB	70	90	110	110	110	110	110	110	110	100	90
Narrow Band, Air conduction dB	60	80	100	100	100	100	100	100	100	90	80

Speech Noise: -10 to 105 dB.

White Noise: -10 to 105 dB.

Mic. / Tape: -10 to 100 dB.

Accuracy: Frequency: Better than 1 %.

Hearing Level: Acoustical: within +/- 3 dB of indication.

Power Supply: Net adaptor: 1 x 12 V.

Power Consumption: Less than 350 mA.

Dimensions: Length: 389 mm. Width: 180 mm. Height: front: 25 mm, back: 55 mm.

Weight: Approx. 1,5 kg. (unit only).

Intensity Range Bone:

Frequencies Hz	125	250	500	750	1000	1500	2000	3000	4000	6000	8000
Pure Tone, Bone conduction dB	30	40	60	60	70	70	70	70	70	50	0
Narrow Band, Bone conduction dB	20	30	50	50	60	60	60	60	60	40	0

Speech Noise: -10 to 70 dB

White Noise: -10 to 70 dB

Intensity range Insert: Same as for air.

Intensity Range Free-Field: Pure Tone, Masking and Tape/Mic.: -10 to 80 dB

Interruption: *Channel 1:* Manual, Toggle, Pulse and Ch.1 + Ch.2. *Channel 2:* Manual, Toggle, ABLB and SISI.

ABLB: Automatic presentation of four tones alternately to each ear of 0.3 sec. duration and 0.6 sec. pause, re-set. Or you may choose individually in SET-UP the length of tone and duration of pauses. Range from 0,1 sec. to 1,0 sec.

SISI: *Automatic SISI:* In steps of 1 dB with a pre-set tone length of 5 sec. The total amount of answers will flash in display by termination of each test.

Manual SISI: By means of the interrupter you may perform a manual SISI, having the option of deciding the tone length manually.

VU Meter: Speech/Tape Calibration Level.

Communications: Built-in talk-through & talk-back amplifiers with individually adjustable monitoring. The monitoring signal is mixed with the talk-back signal. Microphone: type electret. Monitor headsets may be mono or stereo. Visible patient response (LED indicator). LCD VU Meter provides visual indication of sensitivity adjustment of Microphone/Tape/CD input signals.

Standard Accessories: TDH-39 earphones, SILENTA noise reducing headset, Bone Conductor Radioear B-71, double patient: LEFT marked with blue - RIGHT marked with red, netadapter.