

PORTABLE SCREENING AUDIOMETER

MODEL: SA - 52

Small size, microprocessor operated screening audiometer with built in memory and external computer connection.



FEATURES

- **LCD Display for numerical and text read-out**
- **Construction free from mobile contacts**
there are no contacts worn off and noises caused by mechanical switches
- **Absolute noiseless operation**
clicks are deleted from the headphone
- **Rereadable threshold data**
recording patient's audiogram the hearing threshold data can be reread and displayed on the LCD indicator at the end of test
- **Optional bone vibrator**
- **Synchronous masking:**
Masking and tone can be set by the same knob providing an easy way of handling.
- **Threshold determination carried out by patient response**
threshold is automatically displayed by the instrument by the use of two patient's responses on the same frequency and may be overwritten by the operator

- **Communication to the patient**
talking into the built in microphone there is a way to communicate with the patient through the headphone. eg. in a silent cabin
- **Noise Excluding Headset**
a Pelton noise excluding headset as standard provides a good way of hearing test even in a bit noisy surroundings
- **Easy operation**
the easiest way of screening can also be carried out (screening test)
- **Computer interface for external computer connection**
- **Store function for 99 patients**
this allows the patient's AC, BC audiogram to be stored in an internal memory
- **Chance for the operator for „setup”**
the operator can select the most suitable routine for frequency range and "reverse" sound performance

APPLICATION

- Family doctor's room.
- National Health Insurance doctor's office.
- Hearing aid adjustment.
- Labour safety and aptitude test.
- Screening test with or without silent cabin

TECHNICAL SPECIFICATION

- **Frequencies, sound levels:**

	air max.	bone max.	NBN
250 Hz	80dB HL	40dB HL	60dB EM
500 Hz	100dB HL	60dB HL	80dB EM
1000 Hz	100dB HL	60dB HL	80dB EM
2000 Hz	100dB HL	60dB HL	80dB EM
4000 Hz	100dB HL	60dB HL	80dB EM
6000 Hz	100dB HL	40dB HL	80dB EM
8000 Hz	80dB HL	40dB HL	60dB EM

- **Sound presentation:** continuous or pulse tone (manual or automatic interrupter)
- **Masking:** narrow band noise or white noise on the other side
- **Sound level steps:** 5 dB
- **Microphone:** pressing the microphone button you can communicate with the patient through the headphones, intensity may be adjusted
- **Automatic threshold determination:** Hughson - Westlake methode (IEC 8253-1/89)
- **Calibration:** ISO 389
- **Audiometer standard:** IEC 645
- **Memory capacity:** air and bone conduction audiogram on both side of the ears for 99 patients
- **PC connection:** IBM computer interface
- **Headphone:** TDH 39 (100 Ω)
- **Distortion:** THD < 0,5 %
better then the one required by standard IEC 645
- **Sound level and frequency accuracy:**
 ± 3 dB or ± 1 % according to standard IEC 645
- **Mains data:** Mains Voltage: 100 - 240 V, 50/60 Hz Power Consumption: 3 VA
- **Mechanical data:** weight: 0,45 kg
dimensions: 195x150x50 mm

STANDARD ACCESSORIES (in price included)

Mains cable
Patient response switch
Noise excluded head set TDH 39
Operation Manual
Carrying case

OPTIONAL ACCESSORIES

All the standard accessories
PC cable + SW
Bone vibrator (B71)

FURTHER SERVICES (to be ordered)

service and calibration according to the standards

WARRANTY: 24 months



Manufactured by:

MEDIROLL

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