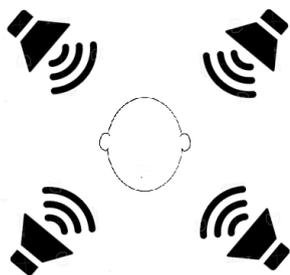


## Calibrate What?....

To maintain the high standards for audiological test equipment annual calibration and servicing is required. Below is a list of common audiological equipment to be calibrated every year.



### SOUNDFIELD

Audiologists should carry out daily checks of equipment including connections, output and distortion by a listening check, and inspect any other related equipment.

Soundfield systems should be installed and annually calibrated by a qualified Technician who will calibrate sound levels for each frequency and channel using a certified Sound Level meter.



### TYMPANOMETER

Even minor leaks, blockages or changes in temperature will affect the performance of your Tympanometer, therefore daily checks of air pressure and physical volume should be carried out generally using inbuilt functions.

Daily checks do not replace the need for an annual service and calibration in a controlled laboratory by a qualified technician ensuring accuracy and longevity of your equipment.



### REM

Many REM machines allow the user to perform Check Calibrations and Tube Calibrations themselves at regular intervals.

In addition to these user calibrations each REM machine needs an annual calibration by a qualified technician. Portable equipment being moved location to location, may be carried out more regularly, every 3-6 months to ensure accurate results.



### HIT

Most HIT units require either a weekly or daily calibration of the measuring system by the user but also require an annual calibration of the coupler microphone and reference microphone by a qualified technician.

Without correctly scheduled calibrations the use of your HIT may prove to be inaccurate continuing to creep further over time.

## WHY ANNUAL CALIBRATIONS?

Ensuring your audiological equipment is maintained and calibrated means you provide your patients with the accurate results they deserve. Over time an instrument can drift out of the manufacturers specification and potentially lead to faulty test readings.

To ensure accuracy a qualified technician specifically trained in audiological equipment should carry out a service and calibration in a controlled laboratory annually.

- Most manufacturers require the annual calibration of audiometric equipment in their specifications.
- Australian Standards require regular calibration of audiometric equipment.
- The Australian Government Office of Hearing Services Program has directed that “calibration of audiometric testing equipment must be conducted at all permanent, visiting and remote sites every 12 months”.
- The Office of Hearing Services Handbook recommends that “equipment used for audiometric assessment should undergo calibration at least once every 12 months.”

Any equipment used for WorkCover testing is required to be calibrated annually.

## TO ARRANGE ANNUAL CALIBRATIONS

To arrange annual Calibrations contact a reputable business with qualified technicians. It is best to complete calibrations in a controlled environment such as a laboratory to ensure accurate results every time.

Precision Acoustics qualified technicians operate from a controlled laboratory. Customers also receive notification reminders to assist in arranging bookings and ensure no equipment is ever out of calibration.



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