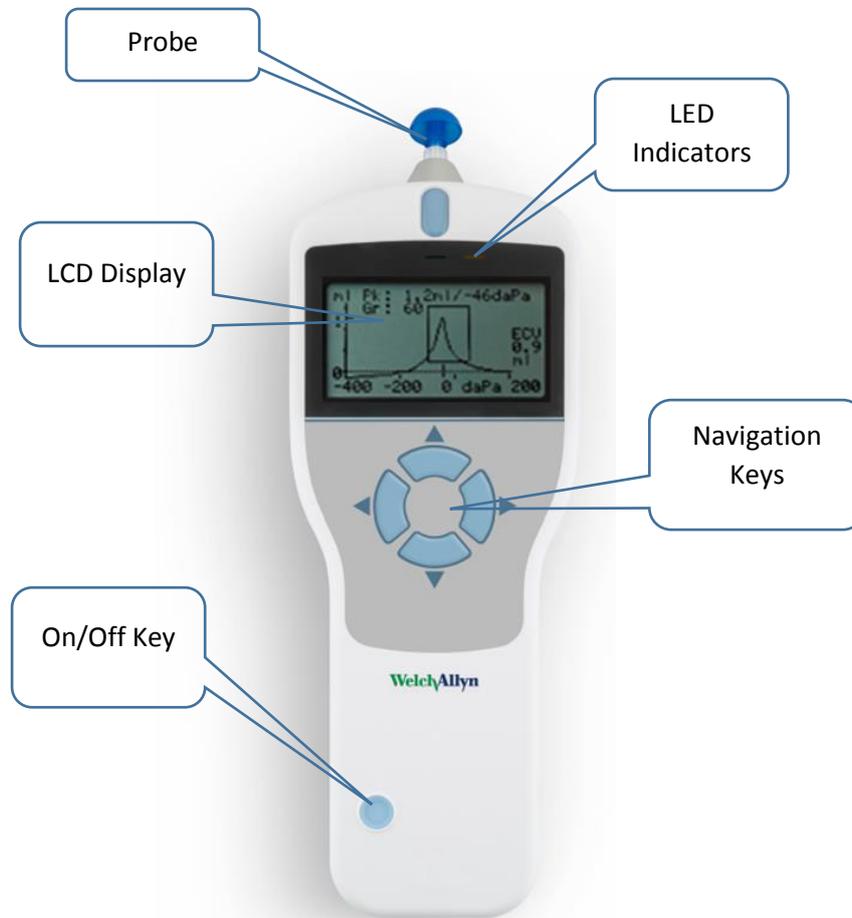


Welch Allyn MicroTympanometer® 4 Quick Guide



The operating manual contains information pertinent to the use of the MicroTympanometer 4 system, including safety information, as well as maintenance and cleaning recommendations. Read the manual in its entirety prior to use of the MicroTympanometer 4 device on a patient.

Handset



Press the On/Off key to turn the MicroTympanometer 4 on (refer to the diagram above). No warm-up time is required, although a short diagnostic routine will run for a few seconds. During this time the internal pump will operate. To switch off, again press and hold the On/Off key for a few seconds.

Press the up ▲ and down ▼ navigation keys to scroll through the menus or set values

Press the right navigation key ► to accept a menu choice or go to the next step.

Press the left navigation key ◀ to cancel an operation or go back to the previous step.

The function of the left and right keys is usually shown on the bottom line of the display.

Cradle LED Indicators



The LED indicators on the instrument cradle show the status of the AC mains connection and the battery charging.

LED displays green when power is applied to the cradle; otherwise it will be off.

LED shows green when the handset is in the cradle and its internal battery pack is charging; it will be off when the handset is removed.

Welch Allyn MicroTymp[®] 4 Quick Guide

Prior to Testing and Testing Environment

A qualified health care professional should perform a thorough otoscopic examination to establish that the condition of the ear is suitable for the test and that no contraindications are present.

Tympanometric and reflex testing should always be performed in a quiet room or in an acoustic booth. No specific action is required by the patient during the automatic test. However, the patient must be advised to remain still and avoid speaking or swallowing while the probe is applied to the ear.



The probe tip must be fitted with a new ear tip before it is presented to a patient's ear canal. The ear tip must be fitted completely to the probe tip and must not occlude any of the four holes in the probe tip. The ear tip size is chosen to suit the patient's ear and provide a comfortable pressure seal.

Performing a test

From the MAIN MENU select NEW TEST.

Select the ear(s) to be tested.

Place the ear tip into the ear canal to obtain a seal.

Once an adequate seal is detected, a tympanogram measurement is made.

When the tympanogram is complete the instrument will perform the reflex test(s), if selected.

When the measurement is complete withdraw the probe and the tympanogram will be displayed.

Review the tympanogram to ensure that the peak admittance point selected by the MicroTymp 4 is suitable. If required, it is possible to select an alternative peak using the ▲ and ▼ keys.

To repeat the test, press ◀.

When satisfied with the tympanogram press ▶.

If the reflex test was carried out the results will be displayed.

Use the ▲ and ▼ keys to view the results for each of the reflex tone levels used. If the reflex test was performed at more than one frequency use the ▲ and ▼ keys to view the results for the other frequencies. If the MicroTymp 4 was set to test for a reflex at all levels of the stimulus press ▶ to view a summary of the levels and frequencies at which a reflex was detected.

Press ◀ to return and view the tympanogram, reflex results or to repeat the test. When satisfied with the results press ▶.

If both ears were chosen for test the entire sequence will now be repeated for the other ear.

When the selected ears have been tested and the results saved, the PROCESS RESULTS menu will be displayed:

- PRINT (Print the results)
- SAVE RESULTS (Save the results in the internal database)
- VIEW TEST (Review the results as described above)
- MAIN MENU (Return to the main menu)

Results of the last test will be erased as soon as a new test is started. Test results should be saved to the internal database or printed to ensure that data is not lost.

