aTymp

Tympanometer

- portable middle ear analyzer
- high-frequency impedance measurement up to 1000 Hz
- ipsi- and contralateral acoustic reflexes
- memory capacity up to 10 000 examinations
- fast printing of results

HEARING DIAGNOSTICS AND SCREENING | Impedance Testing

Neurosoft

THE aTYMP SYSTEM

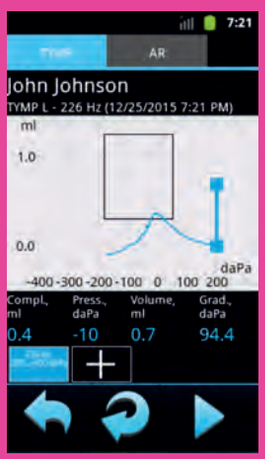
is a portable audiometric device intended for diagnostic hearing evaluations and assisting in the diagnosis of possible otologic disorders with the help of acoustic impedance tests.

Reliable USB-C cable

5.5 inch capacitive touchscreen display

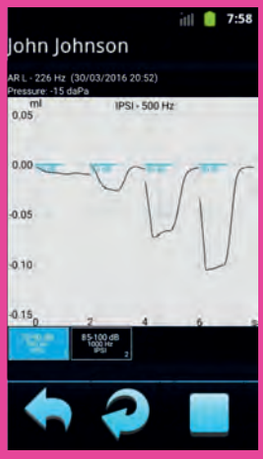
Built-in thermal printer

ACOUSTIC IMPEDANCE TESTS:



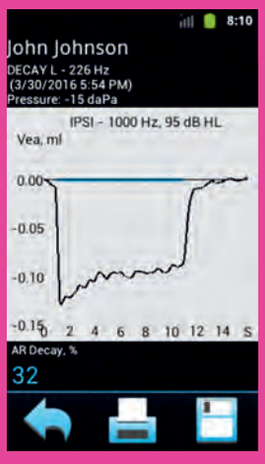
TYMPANOMETRY

aTymp system provides 226 and 1000 Hz tympanometry. Traditional 226 Hz probe tone is a standard for adult tympanometry. The high-frequency probe tone allows testing of newborns and infants up to 1 year. You can easily switch between probe tones, standard and extended pressure ranges during testing. Up to 4 tympanograms with different settings can be recorded in one session. You can choose auto-stop setting when the measurement is stopped automatically soon after the peak has been detected. It reduces the test time and prevents from delivering extra pressure to a healthy ear.



ACOUSTIC REFLEXES

Acoustic reflexes are measured ipsi- and contralaterally (through a headphone). The Automatic Gain Control function maintains safe and accurate intensity of stimulation for small ear canal sizes. Continuous monitoring and recording of middle ear immitance changes is performed in External AR mode. This mode allows recording acoustic reflexes evoked by external stimulator that can be synchronized if it is connected to the aTymp system. This option allows measuring acoustic reflexes evoked by a cochlear implant.

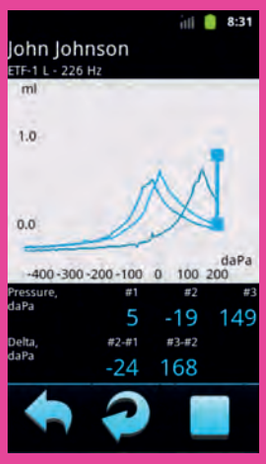


ACOUSTIC REFLEX DECAY

Acoustic reflex decay is defined as a decrease in acoustic reflex contraction during the sustained acoustic stimulation. Reflex decay test can be performed with ipsilateral as well as contralateral stimulation using a single headphone.

EUSTACHIAN TUBE FUNCTION TEST

Eustachian tube function test can help distinguish between normal and abnormal function of the Eustachian tube system. Intact eardrum can be tested with Eustachian tube function test (ETF-1 test) using three tympanograms on one screen (normal, Valsalva maneuver and Toynbee test). For a patulous Eustachian tube testing you can use the External AR mode mentioned above. Perforated eardrum can be tested with ETF-2 test.



CAUTION: Federal Law restricts this device to sale by or on the order of a practitioner licensed by the law of the State in which he/she practices to use or order the use of the device

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