



SENSES EXAMINATION
PLATFORM



Idea of the device

Senses Examination Platform is a reliable device designed for performing screening tests of hearing, vision and speech. Thousands of patients have already been examined – both children and adults with the help of the device.

It was awarded with many highest prizes at international and national trades and fairs. Continuous studies on the device and highly positive opinion of its operators became an impulse to the further development of the device.



Description of the device:

The Senses Examination Platform is used for audiometric tests and also tests aimed at detecting auditory processing disorders. The device is based on an advanced information system and includes additional accessories that allow to perform the examination. In basic configuration, the Senses Examination Platform contains various screening

tests that allow to detect a range of hearing, vision and speech disorders. When undetected at an early stage, these disorders may disrupt harmonic development of the child and hence cause difficulties in the learning process and in contacts with peers.

The Senses Examination Platform allows to perform early detection of hearing and speech defects and it enables:

- to assess if the child is physiologically ready to start reading, writing and communicating at school;
- to implement therapy at early stage;
- to prepare parents to participate in education and therapy process;
- to create environmental and/or regional programs for widespread prevention;
- to prepare the staff of educational and medical institutions (psychological and pedagogical counseling centers, schools and kindergartens) to implement on a mass scale the possibility of early, cheap and effective detection of sensory organs defects.

The design of the Senses Examination Platform

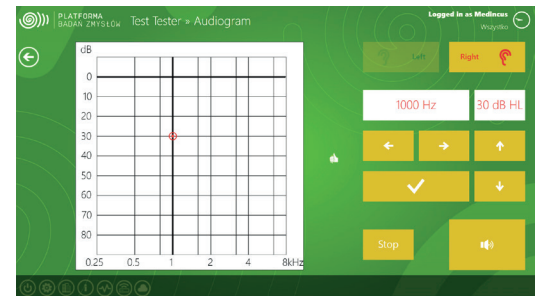
The system includes an audiometric device, Sennheiser audiometric headphones HDA 300 and a patient button. The system has specialist software installed. Simple and

easy-to-use interface of the device allows to conduct efficient testing. Simple and clear result of each test makes it easy to read – also for the patient.

Basic tests of the Senses Examination Platform

Audiogram

This test allows to perform audiometric examination that checks the patient's air conduction hearing within the frequency range of 250 up to 8,000 Hz, for losses not more than 80 dB HL.



DDT Test - Dichotic Digit Test

This test examines CAPD. During the test pairs of digits are presented (simultaneously) to each, right and left, ear. The task of the patient is to repeat the numbers heard in one ear or in both ears.



GDT Test - Gap Detection Test

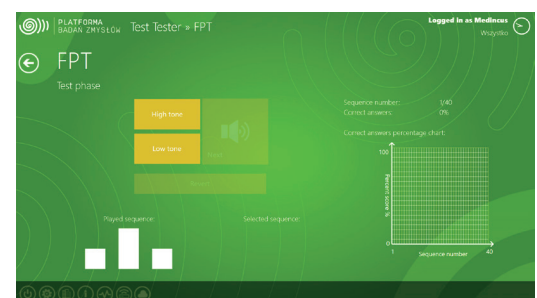
The patient is required to press the button every time he/she hears a gap.

This test allows assessment of the potential of gap perception in noise. During the test, the noise is presented with constantly emerging gaps of varying lengths.



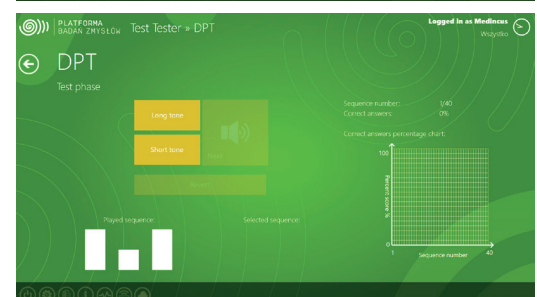
FPT Test - Frequency Pattern Test

The test consists of 40 sound sequences. Each sequence represents three tones: high tone - 1122 Hz, low tone - 880 Hz. The task of the patient is to repeat the pattern.



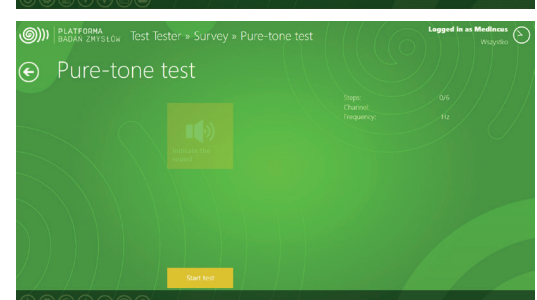
DPT test - Duration Pattern Test

The test consists of 40 sound sequences. Each sequence represents three tones: long tone - 500ms, short tone - 250ms. The task of the patient is to repeat the pattern.

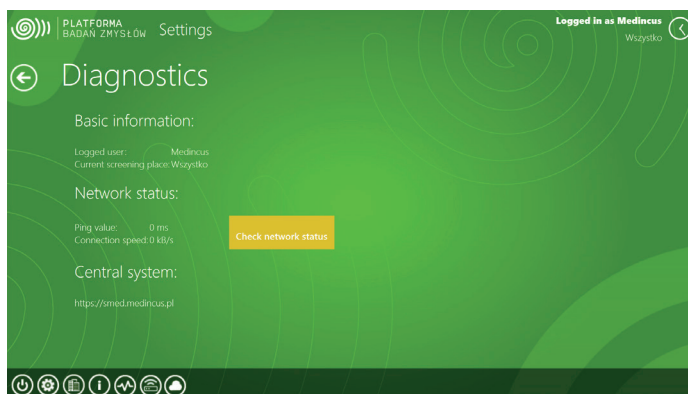
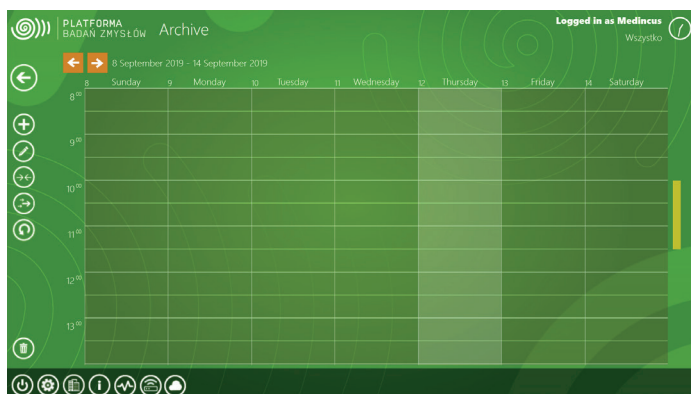
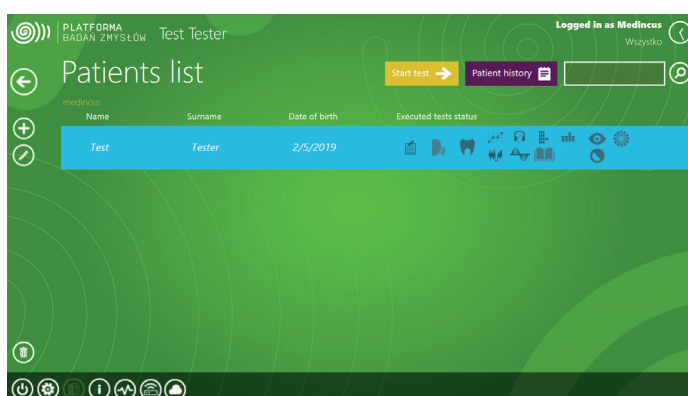
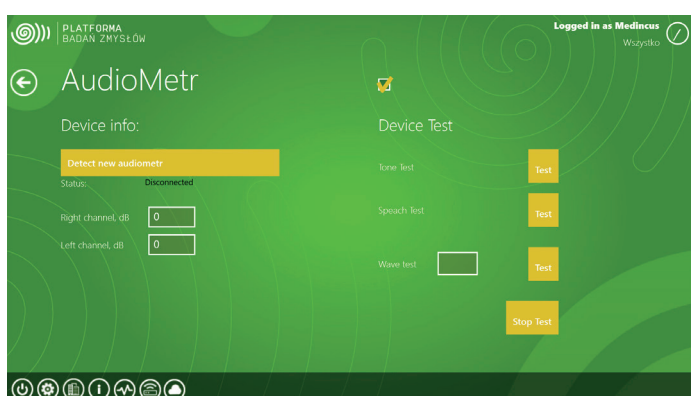


Pure-tone test

Pure-tone screening test. This test allows to assess the ability to hear tones at frequencies 1kHz, 2kHz, 4kHz. The tested person has to press the button when the sound can be heard. The test result shows if the patient passes the test at each tested frequency.



Screenshots from the Senses Examination Platform



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