

Measurement procedure

Depending on aimed tasks of diagnostics, the appropriate place and number of measurements is defined. When measuring, individual template is used for flap map formation, and all the measurements may be precisely repeated.

It is necessary to define if there are any risky places in patient's oral cavity before taking a decision on possibility of subperiostal implantation. Minimum 12 measurements should be performed then: 3 measurements on alveolar ridge, 6 vestibular measurements and 3 oral measurements.

Measurement results are fixed in accordance with suggested scheme.

Measurement data enables to impartially decide if implantation is possible and if further X-ray examination is needed.

- Patient's head is conveniently and firmly fixed before taking measurements
- Ultrasound gel is put on transducer's measuring surface, the transducer is covered with hermetic protecting coat and put on the mucous.
- The signal of bones' reflection is gained by adjusting ultrasound beam direction and without losing contact with the surface.
- The mucous should be superficially anaesthetized if it is too sensitive.

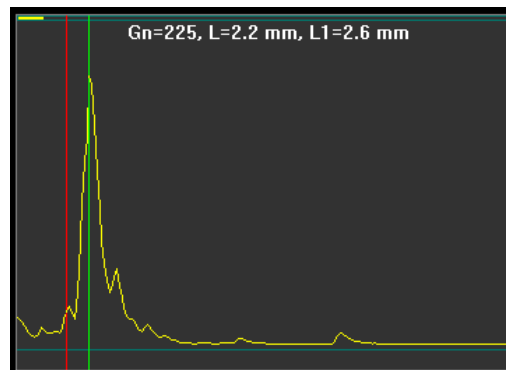


Measurements may be done in automatic or manual mode.

When applying automatic method, the device will automatically fix the distance between transducer's surface and bone if echo signal's amplitude is big enough. This is indicated with the help of the red marker.

In manual mode, the green marker is moved right or left and put on the peak of the signal.

The echogram and automatic measuring markers are displayed on the screen of the device.



Ultrasound echo signal