

Sinuscan™ 301

ULTRASOUND FOR THE DIAGNOSIS OF SINUS DISEASE



SINUSCAN 301

Sinuscan 301 is designed for detecting anomalies as for example fluid in the maxillary and frontal sinuses. This is done by the Sinuscan by indicating the back wall echo received from the bony back wall of a fluid filled cavity; no such echo is received if the cavity contains only air.

PRINCIPLE OF OPERATION

The Sinuscan 301 works by transmitting ultrasonic energy pulses and receiving reflected sonar echoes from acoustic layers in the same manner as an echo sounder. The reflected sound wave is transformed into an electric signal and the signal is indicated by a graph on the OLED display as an A-mode curve.

The A-mode curve display indicates the layer distances and the strength of the echo. The resolution is 0.5 cm and the exploration depth is 7 cm. The ultrasonic frequency used (3 MHz) is transmitted through human soft tissue and bone, but not through air.

Svensk distributör och servicecenter:

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FEATURES

- Rapid examination, no need for time consuming preparations
- Safe for both the patient and the physician and painless, easy examination
- Also applicable to children from the age of three as well as to pregnant women
- The examination can easily be repeated with no additional risk for the patient
- According to scientific studies the method is very reliable
- Both left and right hand use can be applied
- 3 different exploration areas, Sin+Dex, Sin+Dex+Fro or Easy all-in-one mode
- Printing by USB-cable using Macros

TECHNICAL SPECIFICATIONS

- Size: 210 x 69 x 36 mm
- Weight: 292 g with battery
- Battery: 6 V, 730 mAh, NiMH
- Display: OLED 30 x 57 mm
- Sensor: Ultrasound crystal 3 MHz, Ø 8 mm
- Printing: by USB-cable using Macros

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