



Sinuscan™ 201

For Rapid Ultrasonic Diagnosis of Sinusitis

Users: Ear, Nose and Throat Specialists (ENT), General Practitioners, Pediatrics, Military Doctors, Employees' Healthcare, Dentists etc.

Sinuscan 201

The purpose of the instrument is to detect maxillary or frontal sinusitis by indicating the echo from the bony back wall of a fluid filled cavity; no echo is received if the cavity contains only air. The 3 MHz ultrasonic waves propagate well through both soft tissue and bone but not through air.

www.oriola.fi/sinuscan: manuals, videos, brochures, certificates, exhibitions etc.

Principles of operation

The instrument works by sending pulses of ultrasonic energy and receiving the echoes from acoustic interfaces in the manner of an echo sounder. The reflected echoes are converted to an electric signal and presented as a graph on the LCD display.

The A mode curve-display indicates both the distances between different layers and the strength of their echoes on a dot matrix presentation. The distance resolution is 0,5 cm and the full sounding depth is 8 cm.



Sinuscan 201 is delivered with Charging Unit (either EU, UK, or Universal), USB Cable (for printer Connection), Ultrasound Transmission Gel Bottle 250 ml, Instruction Manual, Quick Reference Guide, Info CD with Video on how to use the Sinuscan 201 and Clinical Articles, Soft Protection Cover for Sinuscan 201 and Carrying Case.

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
- Printing possibility with specified standard printers

Technical Specifications

- **Size:** 210 x 69 x 36 mm
- **Weight:** 292 g with battery
- **Battery:** 6 V, 730 mAh, NiMH
- **Display**
Graphic high density LCD display with A mode curve, 64 x 128 pixel, 30 x 57 mm
- Left or right hand use can be chosen
- 4 measurements can be stored in the memory
- Ultrasound crystal 3 MHz
- Scale 8 cm
- **Printing possibility**
Measurements can be printed out with PictBridge compatible printers listed in manual (printer is not included).





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