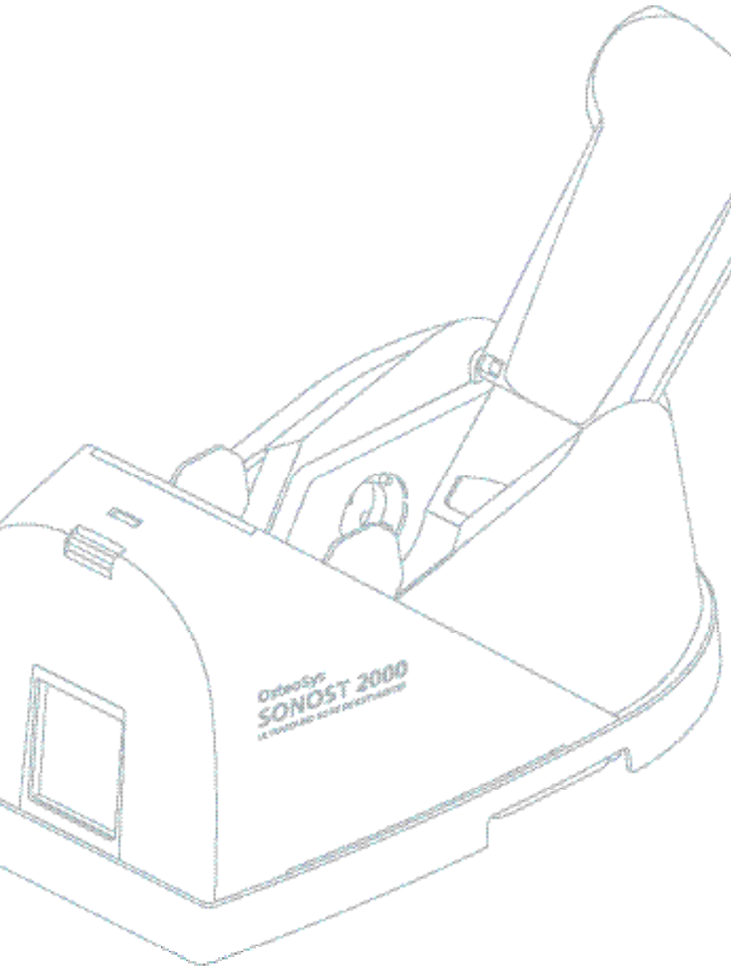
SONOST-2000

The compact QUS bone densitometry



SONOST-2000 is the device you desire for easy, quick, simple and safe measurement for Bone Mineral Density

OsteoSys

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The compact QUS bone densitometry

SONOST-2000 is the device you desire for easy, quick, simple and safe measurement for Bone Mineral Density

SONOST-2000 is a dry mode ultrasound bone densitometry that boasts a quick measuring speed of 15 seconds, easy operation and high durability. Its compact design makes it portable enough to use with a laptop almost anywhere.

QUS : Quantitative UltraSound

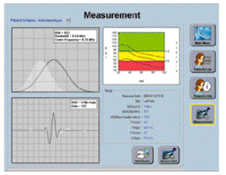
QUS is a method to measure the bone density of the peripheral skeletal system and uses the heel area. The heel was chosen because the heel bone is a wide calcaneus bone between relatively flat sides and it is easy to apply the transmission measurement to this area. The ultrasound pulse that passes through the bones is significantly attenuated with the signals diffusing and which is also absorbed by the spongy tissues.

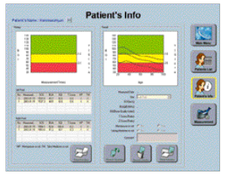
Features

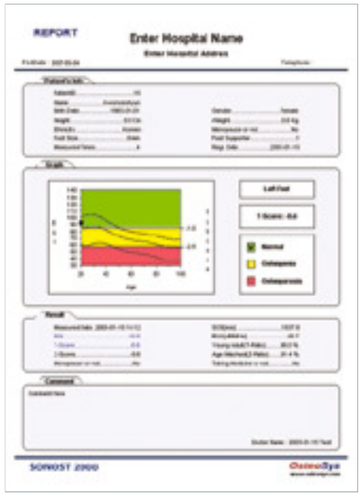
- Compact design
- Portable (using laptop)
- Quick measuring speed (15 sec.)
- Smart precision (B.Q.I. : 1.5 (C.V. %))
- No additional running cost
- High durability
- Easy-to-use
- Comprehensive result & Trend report

Technical specifications

System	
Measurement method	QUS (Quantitative UltraSound)
Measurement site	Calcaneus
Perfomance	
Measurement time	Min. 15 sec.
Measurement	Estimated heel BMD and Bone Quality Index (BQI) obtained from measured Broadband Ultrasound Attenuation (BUA) and Speed Of Sound (SOS)
Estimated index in vivo	SOS (C.V.%) BUA (C.V.%) BQI (C.V.%) 0.2 1.5 1.5
QC check	Daily QC phantom
Result display	Measurements are displayed as raw data, T-score, Z-score and % expected and graphically plotted against normative data curves
Operating temperature range	17 ~ 36°C
Operating humidity range	20 ~ 80%
Coupling method	Gel coupled
Power input	100 ~ 240 VAC. 50 ~ 60 Hz
Minimum PC requirements	
Operating system	Windows XP
CPU	Min. 300 Mhz
Memory	Min. 512 MB
Storage	Min. 40 GB HDD
Graphic	Min. 1280 × 1024 resolution Adapter
Communication port	USB 1.1 or higher
Dimensions and weight	
Dimension	400 × 630 × 370 mm
Weight	7.3 kg







Comprehensive color print out for diagnosed result