



# *UBiS* 5000<sup>xp</sup>

IMAGES  
FOR  
LIFE



# UBiS 5000<sup>xp</sup>

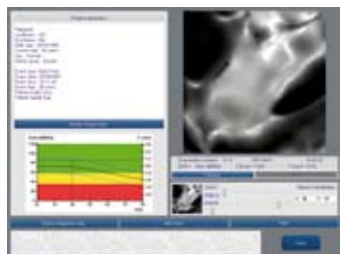
an ultrasound unit with DXA PRECISION...



The UBiS 5000 XP is the first ultrasound imaging system that provides an accurate image of the calcaneum, making it the obvious choice for the reliable management of osteoporosis.

The UBiS 5000 XP features all the existing user advantages such as the selection of the Region Of Interest, as well as digital image acquisition.

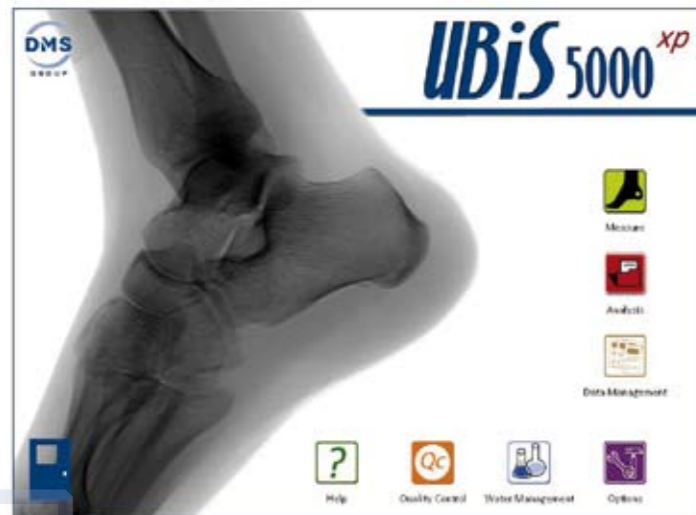
In addition, the new XP version includes a new software interface where data management and archiving is done with the simple click of a button.



Exam data



Complete diagnostic data



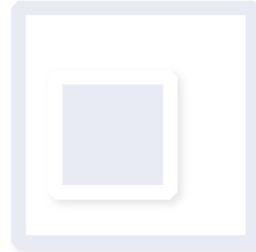
New software interface

- Automatic repositioning of the ROI for an optimal reproducibility
- Comprehensive diagnostic data and color print-out reports
- WHO World Health Organisation classified - T-score, Z-score
- Extended range of measured parameters for a precise follow-up of the pathology and treatment results :

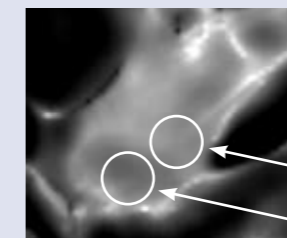


- BUA (Broadband Ultrasound Attenuation)
- SOS (Speed Of Sound)
- EPO (Expected Age of Osteoporosis)
- PAB (Physiological Age of Bone)
- TTO (Time To Osteoporosis)
- STI (Strength Index)
- RRF (Relative Risk of Fracture)
- Paediatric capabilities\*

\*for research purposes



THERE IS NO SOUND DIAGNOSIS WITHOUT IMAGE...



BUA = 80 dB/MHz

BUA = 47 dB/MHz

Due to the uncontrollable anatomy of the foot, «blind» measurements can lead to false diagnosis. The UBiS 5000 XP digital imaging system, together with automatic repositioning of the ROI, consistently delivers accurate examination results without operator involvement.



A 100% AUTOMATIC SYSTEM

- Automatic quality control with built-in electronic phantom
- Automatic temperature control, monitored at 30°C to optimize reproducibility
- Automatic calibration
- Automatic ROI
- Automatic data processing

## UBiS 5000<sup>xp</sup> the alternative to DXA...

### Indications

The UBiS 5000 is a quantitative ultrasound (QUS) bone sonometer to be used for the measurement of broadband ultrasound attenuation (BUA) of the calcaneus, as an aid to diagnose osteoporosis and to estimate the risk of a subsequent traumatic fracture. The output is expressed in terms of both BUA and T-score.

### TECHNICAL DATA

System	Quantitative Ultrasound (QUS) Imaging scanner for the measurement of BUA of the calcaneus
Characteristics of analysis	Focused transducers, Broadband emission, Center Frequency: 0.5MHz
Scan area	85x85mm max.; 60x60mm in standard
Scan time	1m 50 sec.
Precision	BUA - in vivo 0.5%; SOS - in vivo 0.25%
Image	High resolution display; BUA image; Max. resolution: 0.125mm; Standard resolution: 1mm
Patient report	Detailed color print out, patient details, image and results, available space for comments
Region of interest	Measurements taken in a fully automatic ROI, thanks to the image reconstruction software; Possibility to select a manual ROI according to various shapes; "Clever" copy of ROI in order to analyse the same bone volume in two different examinations
Water Management	Heated waterbath with automatic filling and draining; Self contained reservoirs; 10-12 measurements/fill; Stabilizing and centering footwell
Windows®XP based software	Automatic and manual selection of the ROI; Colour display of image; Built-in electronic phantom; online user's manual and help; Patient reporting
Standard configuration hardware	Color printer (option); Multi-languages and references
Dimensions, weight, electrical requirements	L75 x W42 x H39 cm; 27 kgs; Easily transportable (see user manual) 100VAC± 15% - 4A - 50/60Hz; 110VAC± 10% - 4A - 50/60Hz; 230VAC± 10% - 2A - 50/60Hz
Environment	15° - 32°C (60° - 90°F) - 20%-80% relative humidity, non condensing



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