OSTEO *pro* SERIES

Ultrasound method is **harmless** and perceptive about **other bone information** as well as bone density while **X-ray** approach is healthy hazardous and only bone density detectable.

High Quality Precision Data and User Friendly System

The features of OSTEO *pro*

More Accurate

- Using WHO's diagnostic standard parameter, OsteoPro provides the reliable diagnostic results.
- OsteoPro uses oil medium and it is similar to water, but oil is not affected by temperature changes. It reduces diagnostic errors and improves the reproducibility remarkably.
- T-score Precision: less than 0.1 percent.

More Economical

- One of the strong points of OsteoPro is the balloon with durable material.
- The balloon is permanent, so it has no risk of the balloon blowout.
- Longer balloon replacement cycle, so it saves the cost of consumption goods.

More Convenient

- It's easy to move around and can be used in limited space.
- It has reduced inconvenience to correct pulse every time.

More Options

- We offer four different models to choose from according to your needs.

OSTEO *pro* SMART

Osteoporosis diagnosis

OSTEO *pro* MASTER

OSTEO *pro* SMART
+
19" LCD monitor
+
Equipped with a PC system
+
Color printer

OSTEO *pro* DUAL

OSTEO *pro* MASTER
+
Diagnosis of children's growth

OSTEO *pro* EASY

OSTEO *pro* MASTER
+
7" touch-panel LCD
+
Equipped with a printer
(Provides mobility in medical examination)

Osteoporosis Diagnosis for Adult

■ Advanced technology to achieve the highest accuracy
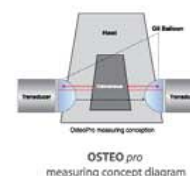
- **Using oil medium**
  - Data variation minimize due to the temperature changes.
- **Fixed ultrasound transducer**
  - Diagnostic errors can be reduced caused by the transducer shifting.
- **Adopting calcaneus thickness data**
  - Accuracy of diagnostic result improves adopting diagnostic parameter from calcaneus thickness data

OSTEO pro measuring concept diagram

■ A convenient user friendly interface

- Provides simple and easy entry of patients' information, and supports
- Korean, English and Chinese languages.
- An external printer and monitor can be used together. Up to 100,000 patients' data can be stored automatically.

Main screen | Display during measurement | Result display – 1 | Result display – 2

■ Result Sheet
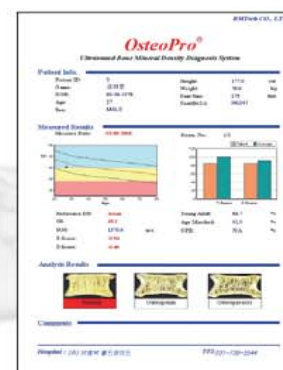
- **Use standard bone density data**
  - OsreoPro produces more accurate prognosis by using bone density data that have been achieved through a variety of clinical diagnoses.
- **Reflect the WHO's osteoporosis diagnosis standard**
  - It adopts the osteoporosis diagnosis standard established by WHO (World Health Organization).
  - T-score(Young-Adult)
  - Z-score(Age Matched)

OSTEO *pro* SERIES Specification

Product/Model	Ultrasound Bone Densitometer / OsteoPro Series
Class Type	B- Type
IP Class	IPXO
Ultrasound Paramater	BUA (Broadband Ultrasound Attenuation) SOS (Speed of Sound) OI (Osteoporosis Index)
Measurements	BUA, SOS
Diagnosing Parameter	OI, T-Score, Z-Score
Methods and Transducers	Coupled, Pulse-echo & through-transmission, Broadband single element, Center Frequency=0.5MHz
Patient Report(Optional)	In case of using internal Printer Thermal printout In case of using external Printer Color Printout
Measurement Time	15 seconds
Precision	OI - in vivo<0.7% BUA - in vivo<0.2% SOS - in vivo<0.2%
Standard Configuration Hardware	Embedded PC (Except OsteoPro Smart)
Dimension (mm)	(Width x Height x Length) Product: 300 x 300 x 600 Package Box: 430 x 430 x 710
Operating Temperature	5~35℃ (50 ~ 104°F)
Humidity (non-condensing)	20%~80% R.H.
Electrical Power Requirement	AC 220V ± 10% (50~60Hz), 0.7A, 120W
Frequency	50~60Hz

	OsteoPro Smart	OsteoPro Master	OsteoPro Easy	OsteoPro Dual
PC System	X	O	O	O
7"Touch LCD	X	X	O	X
Printer	X	X	O	X
Growth diagnosis	X	X	X	O
Weight	Gross 16Kg (Net 13Kg)	Gross 21Kg (Net 18Kg)	Gross 21Kg (Net 18Kg)	Gross 22Kg (Net 19Kg)

※ The above specification may be modified without a notice for improving its capacity.

CE 0499   EN ISO 9001   EN ISO 13485   GMP

OSTEO *pro* SERIES

Ultrasound Bone Densitometer

BMTECH
Bio Medical Technology