



Forever Medical

## YJ-UBD1A Automatic High Effective Ultrasound Bone Densitometer



### Technical features:

1. Using the full dry technology, makes diagnostic more convenient.
2. The probe adopt the Technology of the United States DuPont, makes the probe to receive higher sensitivity and better reception.
3. the better ultrasonic frequency on the measuring position, with better penetrability, more effective signal

4. use the ultrasonic axial conduction technology, double emission and double receiving, it can provide more effective data
5. With innovative algorithm, effectively remove clutter and jamming signal, to get the valid data.
6. With a special correction system, to correct the system error effectively, get more accurate measurement results.
7. Multipoint access mode with high shield and mold manufacturing, to ensure the lossless transmission of the ultrasonic signals.
8. It with multi countries clinical database, including: European, American, Asian, Chinese, WHO international compatibility. It measuring the people between the age of 0 and 100
9. English menu
10. The first one pass EMC test
11. CE certificate.
12. ISO Certificate.

### **Performance parameter:**

1. Measurement parts: radius and Tibia
2. Measurement mode: double emission and double receiving
3. Measurement parameters: Speed of sound (SOS)
4. Analysis Data: T- Score, Z-Score, Age percent[%], Adult percent[%], BQI (Bone quality Index ), PAB[Year] (physiological age of bone), EOA[Year] (Expected Osteoporosis age), RRF(Relative Fracture Risk).
5. Measurement Accuracy :  $\leq 0.3\%$
6. Measurement Reproducibility:  $\leq 0.3\%$

7. Measurement time: <25 seconds
8. Probe frequency : 1.20MHz
9. Data analysis : it adopt a special intelligent real –time data analysis system, it selects the adult or child databases according to the age automatically .
10. Temperature control: Perspex sample with temperature instructions
11. Probe measurement navigation: this equipment display the Axial angle , the Horizontal Angle , the Direction Angle between the probe and the bone plane, it display the change of the real-time angle data. It is easy to correct the measure angle quickly, improving the measure speed , improving the data Accuracy.
12. Probe crystal indication: it display the working condition for the four crystal of the probe, and the signal strength for the ultrasonic reception.
13. Daily Calibration: automatic calibrating after power on.
14. All the people of the world. It measuring the people between the age Of 0 and 100,(Children: 0-12 years old, Teenagers: 12-20 years old, Adults:20-80 years old, The Elderly 80-100 yeas old, only need to input the age and recognizing automatically .
15. Temperature display calibration block: the calibration with pure copper and Perspex, the calibrator display current temperature and standard SOS. The equipment leave the factory with Perspex sample.
16. repot mode: color
17. Report format: supply A4, 16K ,B5 and more size report
18. Bone densitometer main unit: Drawing Aluminum mould manufacturing, it is exquisite and beautiful
19. Bone densitometer main unit weight>3.3 kgs
20. Bone densitometer probe connector: multipoint access mode with high

shield and mold manufacturing, to ensure the lossless transmission of the ultrasonic signals.

21. Computer Main Unit: the original Dell Rack business Computer. Signal processing and analysis are fast and accurate. **(optional )**
22. Computer configuration: original Dell business configuration: G3240, dual core, 4G memory, 500G hard disk, original Dell recorder., wireless mouse. (optional )
23. Computer Monitor: 20" color HD color LED monitor. (optional )
24. Trolley(optional)
25. Fluid Protection: main unit waterproof level IPX0, probe waterproof level IPX7
26. External medical special power supply, power>60W
27. Connect to the internet and provide remote services.

**Configuration:**

1. YJ-UBD1A Ultrasound Bone Densitometer Main unit
2. 1.20MHz Probe
3. Intelligent Analysis System
4. Calibrating Module (Perspex sample)
5. Disinfectant Coupling Agent

**Package Size**

One Carton

Size(cm): 40cm×40cm×40cm

G.W.4 Kgs

N.W: 3 Kgs