

**MDA**

*Management Development Apparatus*

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# **Bone Densitometer Total Body (BDTB)**

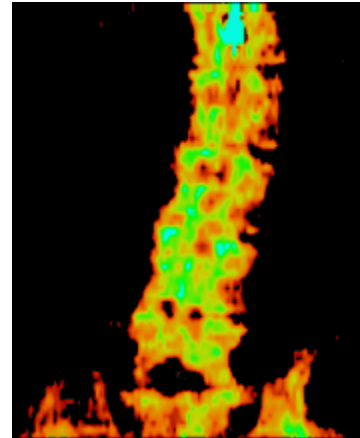


## BD

BD is driven by a windows program which is well known as a user friendly operating environment. The performances of BD are enhanced by a clear and easy to read graphical presentation of the results. Displaying and printing of the results may be performed in color or black and white mode. Ink Jet or Laser printer are supplied with BD.

### Low exposure

Patient exposure is lower than 3  $\mu\text{Sv}$  for forearm scans and lower than 5  $\mu\text{Sv}$  for the other exams.  
Operator exposure is not detectable at one meter from radiant beam.



### Quality control

- Quality control on line with automatic recording of internal reference standard for every scan. It is possible to store the measures of the reference standard supplied with BD to perform statistical controls calibration
- Auto-calibrating system with check of internal reference standard before any scan and automatic centering of the peaks of the radiant beam.

### Laser pointer

The starting point of every scan is obtained using a laser pointer. This method allows fast and repeatable positioning of the patient.

### Double energy

- Radiant source : 86 KeV x - rays, collimated with a cylindrical hole of 2mm  $\varnothing$ , depth 40 mm.
- Energy splitting by *Samarium* filter : 35 KeV and 75 KeV. With this system the scan speed has been improved. Scan time is only 50 % of that required for the former single energy method.

## Windows Software

The windows software to drive BD is a big progress in bone densitometry. It is a powerful tool to acquire and analyze the scans, thanks to the high speed and to the simple use of the operating environment Microsoft Windows. The most part of the operations are performed with simple mouse clicks using the graphical user interface of windows.

## All corporeal districts

BD permits to analyze all corporeal districts of medical interest:

- Totalbody
- Spine
- Femur
- Forearm

all district to scan and all the other scan parameters can be selected directly by the operator.

### Weight:

300 Kg

### Dimensions:

140 x 250 x 120 (H) cm

