

Therapeutic Ultrasound

US-100



0.8MHz single frequency

Very low BNR

Auto contact control

Detachable large/small treatment heads

10 preset programs and a free user programmable memory

Selectable coupling sensitivity

Dual power source: AC mains or battery(option)

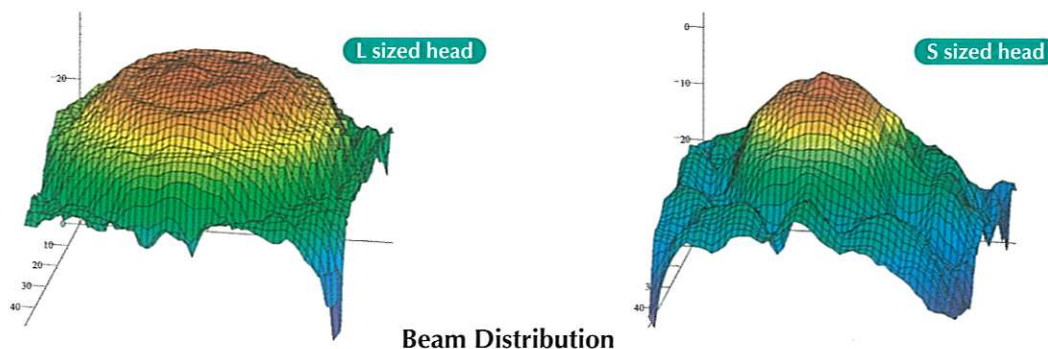
Low-cost, compact, lightweight



Features

Very low BNR

The sound head of the US-100 has a BNR of $2.9 \pm 30\%$ (large head) or $4.0 \pm 30\%$ (small head), an extremely low ratio. Low ultrasound beam non-uniformity ratio prevents hot spots and tissue damage, enabling safe, effective therapy to be performed.



Auto contact control

This function ensures that the correct amount of energy reaches the affected part, while preventing overheating of the sound head, which can shorten its life.

10 preset programs and a free user programmable memory

The parameters for the 10 most generally used treatment programs have been incorporated. All treatment parameters for the last session are saved in memory. Hence, simply clicking on the intensity dial allows treatment to be performed in the same mode as the previous session.

Selectable coupling sensitivity

Conductivity will often vary, depending on whether regular ultrasound gel or medicated gel is used. This feature allows the user to select the optimum coupling sensitivity for the type of gel used.

Dual power source

The unit runs off either AC adaptor or battery. With a battery pack (optional extra), the unit can be used out of doors and in other locations where there is no mains electricity.



Specifications

Power supply (AC adapter): 110–240VAC $\pm 10\%$ 50/60Hz

Battery (optional): DC12V, 2.6Ah

Ultrasound frequency: 0.8MHz $\pm 10\%$

Intensity (max.): 3W/cm² $\pm 20\%$

Treatment heads: L size 4.90cm²/0.8MHz $\pm 10\%$ (BNR 2.9 $\pm 30\%$, ERA 4.0cm²)
S size 0.93cm²/0.8MHz $\pm 10\%$ (BNR 4.0 $\pm 30\%$, ERA 0.8cm²)

Safety class: Class II Internally powered, Type BF (IEC)
Class IIa (MDD)

Conformity: CE (MDD), FDA, UL

Dimensions: 227(W) \times 206(D) \times 94(H) mm

Weight: Approx. 2kg

Ordering Data

Standard Kit

US-100 complete with standard accessories, including
1 \times PR-100L Ultrasound probe, large
1 \times AA-100 AC adapter
1 \times Ultrasound gel (250ml)
1 \times User's Guide



Optional Accessories

PR-100S Ultrasound probe, small
RB-100 Rechargeable battery, including carrying bag

