

USERS MAY CREATE A PATIENT DATABASE WITH THE FOLLOWING INFORMATION:

1) Patients data, 2) Pathology treated, 3) Description of the treatment personalised treatment parameters, 4) Evaluation of the **Pain Level** at the beginning, during and at the end of the treatments



PRESET AND USER DEFINED PROGRAMS:

US13 is delivered with a huge list of preset programs listed by the pathology name. Users can easily create new programs and save them. These personalized programs may be used to treat special cases.

US13 is using last generation microprocessors that allowed the introduction of the **M.P.P.**® system (Multi Parameters Protocols). The energy levels are then automatically adjusted in function to the pathology treated / pre-set program used.

S.E.C.® SYSTEM (SURFACE EMISSION CONTROL):

Ultrasound Machines are designed with a NO-CONTACT indication. This is an essential feature to protect the patient (and the ultrasound head) from overheating. Unfortunately most machines would show the NO-CONTACT indication and interrupt the delivery within 1 second if no skin contact is present. Therapists would like to work without interruptions and a very short NO-CONTACT indication is sometimes annoying.

The real issue is to **avoid that the ultrasound head will overheat then allowing a slightly longer NO-CONTACT time.**

US13 is designed with a new ultrasound head that will dissipate the excess heat if the contact with the patient skin is not ideal. Inside the US13 ultrasound head there is a new generation microprocessor which is controlled by a complex algorithm called **S.E.C.**® (surface emission control).

The **S.E.C.**® SYSTEM allows a high power ultrasound emission to the skin even if there is a small/limited skin contact without overheating the patient tissues and keeping the head temperature in control. The therapist can therefore make treatments to small and delicate parts such as fingers without being interrupted by frequent NO-CONTACT indications.



Small/Limited contact



No-Contact



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US13 I-LINE

REAL IMPROVEMENT FOR YOUR ULTRASOUND TREATMENT

- HIGH QUALITY CAPACITIVE TOUCH SCREEN MONITOR
- IMPROVED **DUTY CYCLE** OPTIONS
- HUGE DATABASE OF **PRESET PROGRAMS** AVAILABLE
- POSSIBILITY OF CREATING/SAVING **YOUR OWN PROGRAMS**
- **NO OVERHEATING** OF PATIENT TISSUES
- **S.E.C.**® SYSTEM: "SURFACE EMISSION CONTROL"
- **M.P.P.**® SYSTEM: "MULTI PARAMETERS PROTOCOLS"
- POSSIBILITY TO CREATE **AUTOMATIC SEQUENCES OF PROGRAMS**
- HUGE PATIENT DATABASE **STORAGE**



(ILINE.US13) ULTRASOUND THERAPY

Ultrasound is one of the most well-known and applied forms of therapy in physical technology and the new Cosmogamma US13 I-Line is the state of art of the ultrasound therapy. With his compact and hergonomic design and his high-performances is the ideal solution for mobile use. US13 I-line, with the **M.P.P.**® System offers every possibility for an effective ultrasound treatment. This special system automatically change the frequencies (1 or 3 MHz) and the duty cycles during the treatment, helping the therapist to achieve perfect results. The addition of a fast and intuitive 7" capacitive touch screen monitor makes the treatment a pleasant experience"

In a modern and sleek design, the unit is packed with **INNOVATIVE AND ADVANCED FEATURES:**

- extremely **high power** (15W with the standard 5 sq.cm head).
- **Lots more duty cycle options** (anything from 10% to 100%).
- A new and completely redesigned **microprocessor controlled head** for improved no-contact features.
- 7" high quality capacitive **graphical monitor** for better screen visibility.
- Possibility of creating a **patient database** and **pain level monitoring** for registered patients. (*)
- The industry highest number of **pre-set programs** for most common pathologies;
- Memory for **saving your own programs** both simple or complex. (*)
- **S.E.C.**® System: high power head with advanced no-contact specifications. (*)

Still, with all these features, US13 is **extremely easy and intuitive to operate.**



Excellent contact



High power emission

TECHNICAL DATA

Supply voltage:	115 - 230 V~
Rated Frequency:	1 MHz / 3 MHz
Output Modes:	continuous and pulsed
Pulse Frequency:	100 Hz with Duty Cycle from 10% to 100%, step 10%
Intensity:	0÷3 W cm ² continuous 0÷3 W cm ² pulsed
Output Heads:	1 MHz/3 MHz, 1 cm ² 1 MHz/3 MHz, 5 cm ²
	with no-contact indication, suitable for underwater treatment
Time:	0÷30 minutes
Weight:	2 Kg
Dimensions (LxWxH):	22 x 22 x 12.5 cm
Power Input:	45 VA
Classification:	I type BF (CEI EN 60601-1, CEI EN 60601-2-5)

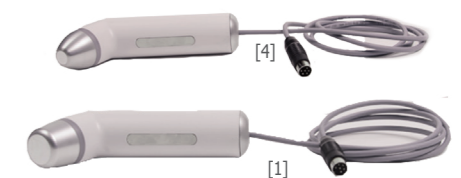
STANDARD ACCESSORIES

- 1 pc. - Head 1 MHz/3 MHz 5 cm² [1] (A01.00110)
- 1 pc. - 260 gr. gel tube [2] (R/273)
- 1 pc. - Power cable [3] (C/A)



OPTIONAL ACCESSORIES

- Head 1MHz/3 MHz 1 cm² [4] (A01.00113)
- i-Line trolley [5] (A01.00128)



(*) See page 4 for additional information