

Gymna Ultrasound compact

Smart therapeutic ultrasound at hand

The **Gymna Ultrasound compact** is a highly user-friendly portable touchscreen device. It delivers great performance in the application of therapeutic ultrasound, using 1 & 3 MHz frequencies.



As a standard the device is equipped with a powerful internal rechargeable Li-ion battery, offering maximal freedom of use.

Great care has been taken in the development of several high efficient multifrequency ultrasound head models and their safe storage on the freestanding holder.



Gymna Ultrasound compact with large head

Device characteristics:

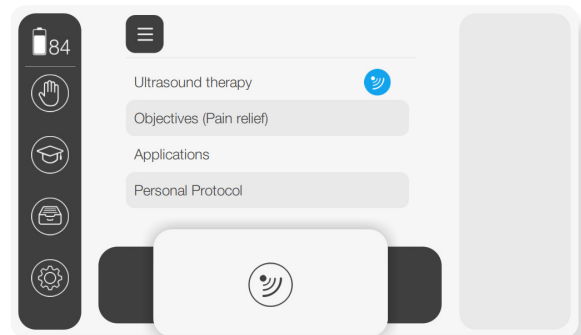
- **Superior quality capacitive touchscreen:** 
 - o 7 inch full colour display
 - o Clearly legible due to the wide viewing angle
 - o Fully touchscreen operated on the protective glass plate
 - o Capacitive touch, supports 'smart devices' technology
- **Easy cleaning of the touchscreen:**
 - o Glass plate covers the whole front without any borders
 - o Allows easy cleaning as well as disinfection with alcohol
- **Sustainable due to its low energy consumption:**
 - o Operates on mains or rechargeable battery
 - o The very powerful built-in Li-ion battery is included as standard 
 - o Or can operate mains-powered with an external medical grade power supply
 - o Energy efficient charging through the internal battery management system
 - o Personalised save energy settings via the user interface to avoid energy waste



Battery standard included

Direct access to the menus:

- Evidence based protocols:
 - Objectives : 16
 - Applications : 23
- Free therapy mode:
 - Default mode : 4
 - Own protocols: 100
- Contraindications list
- Anatomical library (medical E-book)
- File manager to manage own protocols
- System settings to personalize your device
- Future proof for software updates via USB



Therapy start in just a few clicks

- All settings and adjustments directly on the touchscreen
- Quick & easy access to all functionalities
- Self-explanatory treatment screen
- Clever & clear options for parameter settings adjustment
- Large graphical dial to set ultrasound intensity and treatment time
- Enlarged therapy screen in dashboard design
- Visual and auditory feedback drawing user awareness
- Easy and quick selection between 2 connected ultrasound heads




2 Superior quality ultrasound heads

**Large
ultrasound head
Standard**

**Small
ultrasound head
Optional**



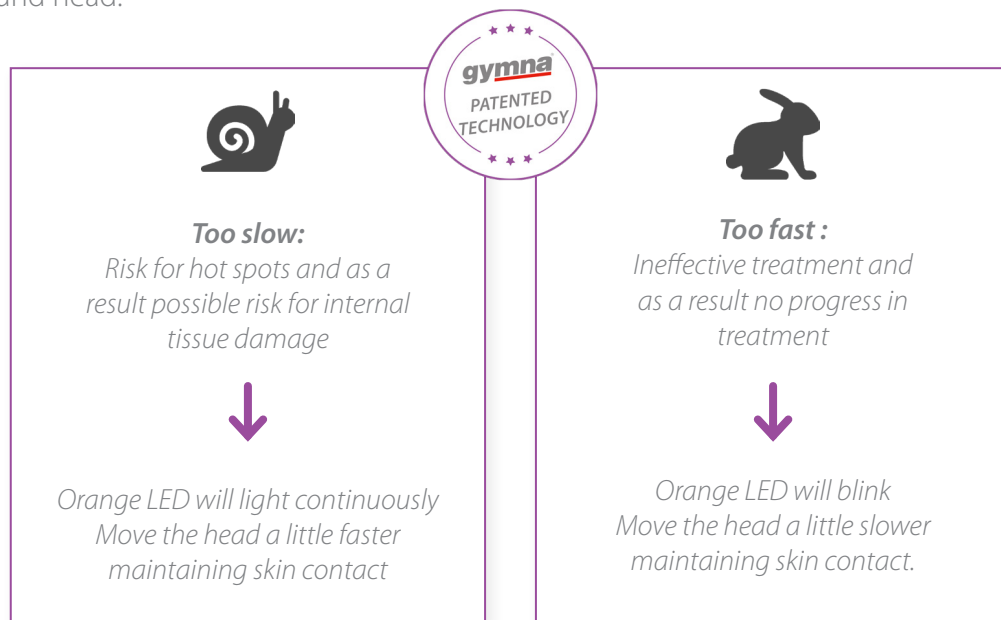
Both universal US head models do have the following properties:

- Ergonomic modern design
- Light-weight for optimal user comfort
- Multifrequency 1 & 3 MHz
- Visual feedback through bright LED
- Monitors therapy effectiveness performance by:
 - o Contact control detection
 - o DynamUS; Motion speed detection 
- Suited for subaqual treatments

New! DynamUS

DynamUS, a feature unique in the field of therapeutic ultrasound. DynamUS is Gymna's motion speed detection feature that guides you in your treatments. It helps you keeping the right dynamic movement pace.

This user-friendly patient safety function monitors the ultrasound head's motion on the patient's skin and warns if its pace is too slow or too fast. The feedback is visible through the orange coloured LED on the ultrasound head:



Ultrasound head holder

- Clever freestanding positioning
- Magnetic allowing safe ultrasound head storage

Ultrasound output parameters:

Number of output connectors	2 (one single ultrasound head can operate at the time)
Operating modes:	pulsed and continuous
Pulse repetition frequency:	16 – 48 - 100 Hz
Duty cycle:	10 – 20 – 30 – 40 – 50 – 80 - 100%
US-Peak Power intensity:	0-2.0 W/cm ² , @ duty cycle = 100 % 0-2.5 W/cm ² , @ duty cycle = 80 % 0-3.0 W/cm ² , @ duty cycle ≤ 50 %
Low Intensity pulsed ultrasound:	0-0.5 W/cm ² @ duty cycle ≤ 50 %
Low Intensity ultrasound	0-0.3 W/cm ² @ duty cycle = 100%
Intensity accuracy of Intensity:	± 20% of the set values, above 10% of max. value

Large ultrasound head, model US H05

	ERA_IEC IEC 60601-2-5		ERA_USA 21 CFR 1050.10		
Acoustic Operating Frequency	1.0	3.0	1.0	3.0	MHz
Effective Radiating Area (ERA)	3.2	2.7	4.0	3.6	cm ²
Max. Output Amplitude (continuous mode)	2.0	2.0	2.0	2.0	W/cm ²
Max. Output Power (continuous mode)	6.4	5.4	8.0	7.2	W
Max. Output Amplitude (pulsed mode)	3.0	3.0	3.0	3.0	W/cm ²
Max. Output Power (pulsed mode)	9.6	8.1	12.0	10.8	W
Output uncertainty	+/- 20	+/- 20	+/- 20	+/- 20	%
Beam Non-Uniform Ratio (BNR)	max. 4	max. 3	max. 4	max. 3	
Beam Type	Convergent	Collimated	Convergent	Collimated	

Small ultrasound head, model US H01

	ERA_IEC IEC 60601-2-5		ERA_USA 21 CFR 1050.10		
Acoustic Operating Frequency	1.0	3.0	1.0	3.0	MHz
Effective Radiating Area (ERA)	0.6	0.6	0.8	0.8	cm ²
Max. Output Amplitude (continuous mode)	2.0	2.0	2.0	2.0	W/cm ²
Max. Output Power (continuous mode)	1.2	1.2	1.6	1.6	W
Max. Output Amplitude (pulsed mode)	3.0	3.0	3.0	3.0	W/cm ²
Max. Output Power (pulsed mode)	1.8	1.8	2.4	2.4	W
Output uncertainty	+/- 20	+/- 20	+/- 20	+/- 20	%
Beam Non-Uniform Ratio (BNR)	max.5	max. 5	max. 5	max. 5	
Beam Type	Convergent	Convergent	Convergent	Convergent	

Technical device specifications:

Languages	13
Mains voltage	100 - 240 V, 50 - 60 Hz
Current rating	1.0 A - 0.5 A
Maximum power rating	36 W
Power supply voltage	12 VDC
Maximum current rating	3 A
Battery performance	Li-ion; performance: ~ 40VA
Unit dimensions (W x D x H)	210 x 160 x 90 mm
Unit weight	~ 0.85 kg
Weight incl. accessories	~ 1.25 kg
Power supply weight	~ 0.17 kg
US head dimensions (W x D x H)	52 x 110 x 72 mm
US head weight	~ 0.210 kg
Operation mode	Suited for normal operation
Connectable with other	Cannot be connected to another device
Electrical Class	Class II
Applied part	Type B
MDR Classification	Class IIa
Conformity	European Medical Device Regulation (MDR 2017/745)
Notified Body	CE0344



List of Ultrasound compact devices

List of Ultrasound compact devices	
363100	Gymna Ultrasound compact with large head
363102	Gymna Ultrasound compact with large head incl. Mobile Fit

List of standard and optional accessories

Standard equipment:		
363050	Ultrasound compact device (excl. US head)	●
372078	External medical grade mains power supply, 36 W	●
372063	Clickable power adaptor set	●
369014	Rechargeable battery pack 7.4 V 5200 mAh (Li-ion)	●

Ultrasound head models		
377005	Large ultrasound head, model US H05 (incl. holder)	●
377001	Small ultrasound head, model US H01 (incl. holder)	○

Other accessories		
341143	Contact gel, 200 ml	●
341088	Contact gel, 500 ml	○
341099	Contact gel, 5 l	○
363500	Carrier bag Gymna Compact series	○

Mobile		
368005	Gymna Mobile Fit	○
368016	Gymna Mobile Fit handpiece support	○
368027	Gymna Mobile Fit storage tray	○

Manuals		
366806	US compact quick start	●
366814	US compact user manual (EN)	●
366818	US compact safety instructions, multi language	●

● Standard feature ○ Optional feature