

Electromedical equipment





GYMNA FOR TOTAL SUPPORT. *The brand that gives the physiotherapist* **CONFIDENCE**. *After all, our equipment is intended to give the best possible results. And it evolves along with your treatments. Patients notice the difference immediately. The* **GYMNA** *brand has now turned into the reference within the sector. Each device is a masterly example of* **FUNCTIONALITY** *and* **UNIQUE DESIGN**. *Precisely tuned to the various treatment methods. Gymna provides an extra dimension to your practice's professionalism. The design of the devices is not just functional - it is smart too.* **EASE OF USE** *is the key. Your requirements for comfortable* **ERGONOMIC** *designs are the starting point for our developers. And what is more, we've thought of everything. Gymna means* **QUALITY**, *right down to the smallest therapeutic details. The ultra-sharp* **BACKLIGHT SCREEN**, *for example, gives both you and your patient clear information during the treatment. The patients feel it and can see it too. They are in your hands, they can relax and will trust the therapy you have selected.*

One of the first requirements for successful treatment!



The 200 series: a 'must' for your practice.

Portable and supremely easy to use, with a large backlight screen and two independent channels that allow two different types of electrotherapy currents to be applied at the same time.

Pushbuttons for the most important functions. 21 types of electrotherapy current, ultrasound, laser, combination and simultaneous treatments. Han Stim, the new pain control therapy, and treatment for an overactive bladder have been added to the therapeutic objectives.

The 200 series devices come with a useful package of standard accessories and a number of handy optional extras, such as a practical carrying bag. Supplied with manual and photographs showing the exact placement of the electrodes, ultrasound heads or laser locations.

Using a 200 series device means that your work can be extremely result-oriented, because your therapeutic objectives are the basis for every treatment.



result-oriented working • list of treatment objectives • list of indications
• compact design • backlight screen • ergonomic control panel • knob for pre-
cise intensity adjustment • push buttons for the most important functions •

Functions 200 series



COMBI 200L/200

Combination device for 2-channel electrotherapy, 2-pole and 4-pole. Diagnostics, ultrasound, simultaneous and combination therapy. Laser therapy optional.



Optional



DUO 200

2-channel electrotherapy, 2-pole and 4-pole. Low and medium frequency currents. Diagnostic programmes.





PULSON 200

Device for ultrasound therapy, continuous and pulsed. Ergonomic multi-frequency US head.



PULSON 100

Device for ultrasound therapy, continuous and pulsed. Ergonomic US head with patented US head technology.



Therapies 200 series



Combi 200L for laser therapy

A	1:30	A Laser therapy	46
		Probetype	
		Frequency	4.0 kHz
		Repeat mode	ON
		Treatment time	1:30
		Pset	46mW
		Etot	0 mJ



Combi 200 for combination therapy

A	14:43	A US + Random TENS	38
		Pulse time	50 μ s
		Pulse shape	τ_r
		Frequency	88 Hz
		Treatment time	15:00
		US frequency	1.2 MHz
		ERA	0.6 cm ²
		i _{set}	0.5 W/cm ²
		P _{pk}	0.30 W



Duo 200 for electrotherapy

A	12:00	A Biphasic surge	13
		Pulse time	300 μ s
		Frequency	50 Hz
		Pulse shape	τ_r
		On time	2 s
		Off time	2 s
		Treatment time	15:00
		red-	55 mA CC
		red+	35 mA CC



Pulson 100 for ultrasound therapy

	7:30 kHz	1MHz
	2.0 W/cm ²	0.0 w
	100 %	

COMBI 200L

- Electrotherapy, 2 channels with individually adjustable intensities. For re-education, muscle strengthening, TENS, diagnostics, 2-pole and 4-pole interferential.
- Dipolar vector.
- Han Stim.
- Iontophoresis.
- Perineal re-education.
- Ultrasound.
- Lasertherapy.
- Simultaneous therapy: treat two different indications at the same time using electrotherapy and ultrasound therapy.
- Combination therapy: treat a single injury with a combination of electrotherapy and ultrasound at the same time.
- In combination with Vaco 200, vacuum unit.

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- Han Stim.
- Iontophoresis.
- Perineal re-education.
- In combination with Vaco 200, vacuum unit.

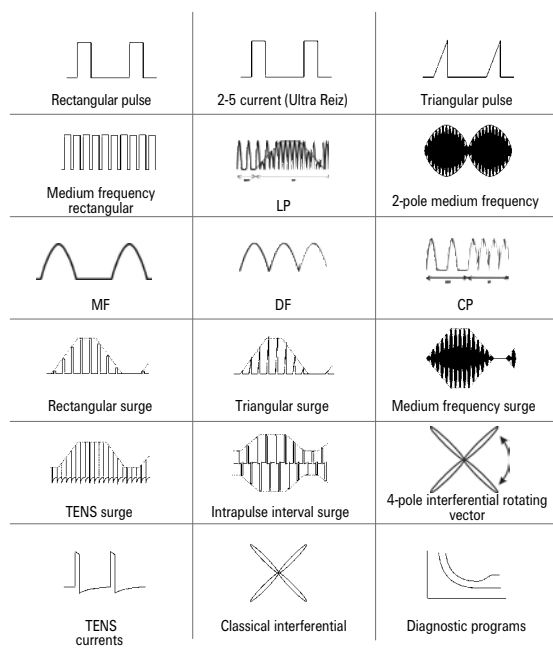
PULSON 200

- Ultrasound therapy, continuous and pulsed.
- Treatment head multi-frequency, 1,1 and 3,2 MHz.

PULSON 100

- Ultrasound therapy, continuous and pulsed.
- Treatment head 1,1 MHz

Current shapes



Practical carrying bag,
made of lightweight plastic.

Functions Myo 200



MYO 200

A complete universal 2-channel myo feedback unit with 2-channel electro stimulation.



EMG-feedback and electro stimulation probes.



Pressure feedback by means of vaginal or anal pressure probes.



Surface electrodes for EMG-feedback.



Rubber or adhesive electrodes for electro stimulation.



EMG Feedback

- 2-channel EMG feedback.
- Independent capture target function (automatic and manual): you can set a target value – to be achieved by the patient – on channel A as well as on channel B.
- Scan function for the registration of maximum, minimum and average measuring results.
- Zoom functionality around capture target (on both channels). You will immediately get a higher resolution while the target value is still in the middle of the display.
- Audio signal (adjustable) upon achieving the target value.
- Stimulation and relaxation mode function.

Pressure feedback

- One channel pressure feedback in mmHg.



























Electrotherapy

- 2 Independent electrotherapy channels for rehabilitation, muscle strengthening, pain management (Tens, gate control, Han Stim,...), 4-pole interferential with rotating vector, 2 and 4 pole interferential, iontophoresis, diagnostic, ...
- 85 Indications, 23 objectives (sequential and conventional programs), 6 diagnostics, 51 pelvic rehabilitation programs and 15 muscle rehabilitation programs.
- 20 Free memory slots to store your own programs.
- Optional: combination with Vaco 200.

Combination electro stimulation - Feedback

- You can combine electro stimulation with EMG or pressure feedback.

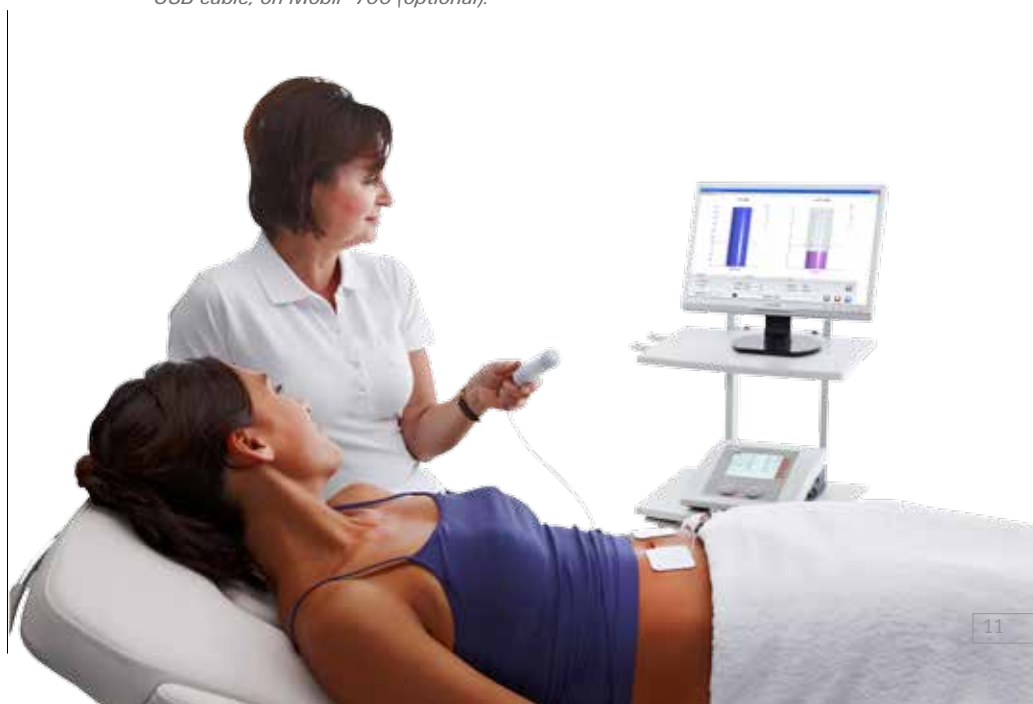
Complete range of probes

Current shapes		
 Medium frequency rectangular	 Rectangular Pulse	 Triangular Pulse
 2-5 current (Ultra Reiz)	 MF	 DF
 CP	 CP-ISO	 LP
 LP-ISO	 Conventional Tens example: symmetrical	 Low Frequency Tens example: symmetrical
 Random Frequency Tens example: symmetrical	 Burst Tens example: symmetrical	 Rectangular Surge
 Triangular Surge	 Biphasic Surge example: symmetrical	 Biphasic Surge example: asymmetrical
 Intrapulse Interval surge symmetrical	 2-pole Medium Frequency Surge	 4-pole interferential Surge
 2-pole Medium Frequency	 4-pole Interferential	 4-pole Interferential with rotating vector
 Han Stim	 Feedback	

Optional: Tilting support.



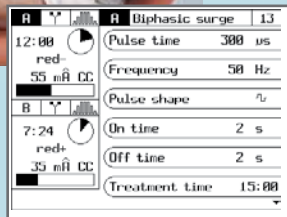
Myo 200 connected to the PC (not included) with a USB cable, on Mobil 700 (optional).



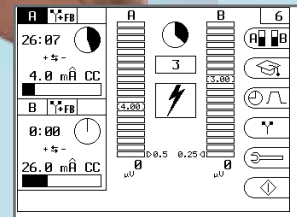
Therapies Myo 200



Electro stimulation.



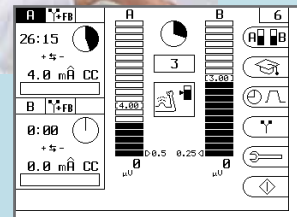
Muscle training with stimulation and feedback.



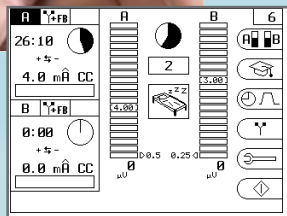
Incontinence treatment for men or women.



Perineal rehabilitation by means of stimulation, EMG or pressure probes.



Relaxation for muscle spasm (Torticollis).



Incontinence treatment for children.



Software pack Myo 200

Perfect visualization of measured values

Simply link up the software package with your Myo 200 and immediately you have the perfect partner. The program clearly visualizes the measured value (EMG or pressure) and/or the stimulation value on the PC's monitor.

You can choose linear diagrams, column diagrams or 3-dimensional images. You and your patient receive a perfectly clear image of your patient's efforts.



Database with individual patient data

The database is linked to the treatment course and to the results measured. The individual patient data as well as the statistics can be stored and/or printed.

The statistics will show the following measuring values:

- Lowest, highest and average,
- Achieved result (%) above and below the set threshold.



Fatiguability index

A unique and sophisticated state-of-the-art feature in the myo pc software.

The fatiguability index is a measurement tool which measures the rate of decline in force-generating capacity of the muscles. The fatiguability index calculates (automatically) the maximum, minimum and average EMG values of a treatment session. This allows you to compare the results of the latest treatment with those of earlier treatments; in other words, it makes it easier to revalidate more efficiently.



Intake & Voiding diary

The voiding diary enables the patient to record the type and amount of fluid intake, voiding time and amount, incontinence episodes, leakage volume etc for a 24 hours period. Significant information can be obtained from diary analysis. The diary can also be used throughout treatment to assess improvement or changes in urinary status.



General assessments

The software pack contains general assessments to measure and evaluate the therapy progress. In addition to the database, the questionnaire CONTILIFE™ is provided.

"CONTILIFE™ © 1997 Sanofi-Aventis, France. All rights reserved". Marquis P, et al. Elaboration and validation of a specific quality of life questionnaire for urgent micturition in women. Progrès en Urologie. 1997;7:56-63 Contact information: trust@mapi.fr - Internet: www.mapi-trust.org - www.PROQOLID.org



Animation programs for children

As physiotherapy for children is equally important, the screen shows cute 3-dimensional animations that alters whenever there is a change in muscular activity, thus stimulating the child to react. You can also put a game character in your treatment. Create your own template and race with a sports car and stay on the road, or swim like a duck in the water. Select your favourite theme and make a real challenge of every treatment.



Reporting function.

Intuitive reporting; a comprehensive (doctor's) report in just a few clicks. The report provides valuable information about:

- summary of one or more available "intake and voiding diaries"
- fatiguability index of several treatment sessions
- data of one or more general assessments



Accessories



Accessories electro > Combi 200L, Combi 200 and Duo 200



The following ultrasound accessories are provided as standard along with your Combi 200L, Combi 200, Pulson 200 and Pulson 100: 1 US head multifrequent, ERA 4 cm², 500 ml contact gel, 1 US head ERA 4 cm² (only for Pulson 100).

Accessories Myo 200

1 power cord with CEE 7/7 plug; right angle, 1 user manual, electrode placement pictures, safety instructions, adhesive electrodes 5 x 5 cm (4 p.), adhesive electrodes round 3 cm (4 p.), reference cable, two-ply EMG electrode cable, electrode cable EMG-incontinence, vaginal probe Novatys, air tube for vaginal pressure probe, pressure probe vaginal, connection cable myo - PC (USB), software, 1 VAS score

Optional accessories Combi L, Combi, Pulson, Duo and Myo



US head, multifrequent, ERA 1 cm², 1,1 and 3,2 MHz for Pulson, CombiL and Combi.



US head, ERA 1 cm², 1,1 MHz for Pulson 100.



V2B+ Stimulation probe, vaginal.



Analía Stimulation probe, anal.



Stimulation probe, rectal.



Pen electrode with sponge.



Perisize 4+ Stimulation probe, vaginal.



Analys + Stimulation probe, anal.



Laser protection glasses and laser probes for Combi L.



Adhesive electrodes. Ø 3 cm, 2,5 x 5 cm, 5 x 5 cm, 5 x 10 cm



Adapter cable



Optima 3 Probe, vaginal.



Pressure probe, anal.



Tilting support.

Technical specifications



Vaco 200

2-channel vacuum unit, 2-pole or 4-pole.

- Electronic control of vacuum.
- Continuous or pulsed.
- In combination with Combi 200L, Combi 200, Duo 200 and Myo 200.



Each device is provided with a clear manual and with sets of photographs showing the exact positioning of the electrodes, ultrasound heads and/or laser locations.



Optional :
Mobil 700 with bottle support.

CURRENTS - generalities	- CC/CV mode - Polarity - Treatment time	For all sorts of currents with the exception of medium frequency rectangular current red-, red+ and alternating polarity if possible from 0 to 60 minutes
• Medium frequency rectangular current	- Intensity	0 - 80 mA at 300 to 1000 Ohm
• Interrupted rectangular current • Interrupted triangular current • 2-5 Current (Ultra Reiz)	- Pulse time - Pulse pause - Intensity CC / CV	0,1 ms - 6 s 1 ms - 6 s 0 - 80 mA at 300 to 1000 Ohm / 0 - 80 Vpeak with I < 80mA
• MF, CP, DF, LP	- Intensity CC / CV - ISO	0 - 80 mA at 300 to 1000 Ohm / 0 - 80 Vpeak with I < 80mA on / off
• Conventional TENS • Low frequency TENS • Brief intense TENS	- Pulse time - Pulse shape - Frequency min. / max. - Intensity CC / CV	10 - 650 µs symmetrical, asymmetrical 1 - 150 Hz / 1 - 150 Hz 0 - 120 mA at 300 to 1000 Ohm / 0 - 120 Vpeak with I < 120mA
• Random frequency TENS	See TENS currents except :	- Pulse frequency: 1 - 150 Hz, with automatic random frequency variation of maximum +/- 35 %
• Burst TENS	See TENS currents except :	- Pulse frequency: 20 - 150 Hz - Burst frequency: 1 - 10 Hz
• Rectangular surge current • Triangular surge current	- Pulse time - Pulse frequency - Intensity CC / CV	0,1 - 5 ms 1 - 150 Hz 0 - 80 mA at 300 to 1000 Ohm / 0 - 80 Vpeak with I < 80mA
• Biphasic surge current • Biphasic surge intrapulse interval (with a constant interval between positive and negative pulse of 100 µs)	- Pulse time - Pulse frequency - Pulse shape - Intensity CC / CV	10 - 650 µs 1 - 150 Hz symmetrical, asymmetrical (only for biphasic surge) 0 - 120 mA at 300 to 1000 Ohm / 0 - 120 Vpeak with I < 120mA
• 2-pole interferential surge current • 4-pole interferential surge current	- Carrier wave frequency - AM frequency - Intensity CC / CV	2 - 10 kHz 1 - 200 Hz 0 - 100 mA at 300 to 1000 Ohm / 0 - 100 Vpeak with I < 100mA
• Expert parameters NMES currents	- Serial duration (ON) - Serial pause (OFF)	1 - 100 s 0 - 100 s
• 2-pole interferential current • 4-pole interferential current	- Carrier wave frequency - AM frequency min. / max. - Frequency sweep mode - Intensity CC / CV	2 - 10 kHz 0 - 200 Hz / 0 - 400 Hz 0/1/0, 1/5/1, 6/0/6, 12/0/12 0 - 100 mA at 300 to 1000 Ohm / 0 - 100 Vpeak with I < 100mA
• 4-pole interferential with rotating vector	See 2- and 4-pole interferential - Rotation time - Rotation angle - Segment angle - Segment time	0 - 20 s 0 - 355° 0 - +/- 30° 0 - 10 s
ULTRASOUND - generalities	- Frequency ultrasound - Duty cycles - Peak intensity - Treatment time	1,1 and 3,2 MHz - 1,0 MHz for Pulson 100 10%, 20%, 30%, 40%, 50%, 100% 0 - 2 W/cm ² - duty cycle 100% 0 - 3 W/cm ² - duty cycle < 100% 0-30 minutes
• US-head: small model	- ERA - BNR	1,9 cm ² at 1,1 MHz/1,4 cm ² at 3,2 MHz 5,2 at 1,1 MHz/3,3 at 3,2 MHz
• US-head: large model	- ERA - BNR	4,1 cm ² at 1,1 MHz/4,7 cm ² at 3,2 MHz 4,5 at 1,1 MHz/5,8 at 3,2 MHz
• US-head: small model Pulson 100	- ERA - BNR	1,3 cm ² at 1,0 MHz 6,2 at 1,0 MHz
• US-head: large model Pulson 100	- ERA - BNR	4,0 cm ² at 1,0 MHz 5,1 at 1,0 MHz
LASER - generalities	- Safety class - Wave length - Treatment time	3B laserproduct 904 nm 0-30 minutes
• Mono 200	- Energy per pulse - Peak performance - Max. average power - Pulse Frequency	2,35 µJ 13,5 W 70,5 mW 2 - 30000 Hz
• Quad 200	- Total energy per pulse - Peak performance - Max. average power - Pulse Frequency	10,8 µJ 4 x 18 W 54 mW 2 - 5000 Hz
MYO-FEEDBACK - general	- Pressure: - Resolution: - Tolerance:	0-1000 mmHg input (1332 hPa) ≥ 0,25 mmHg 10%
• Pressure		
• EMG	- EMG: - Resolution: - BW: - Mains suppression: - Tolerance:	0 - 2500 uVrms ≥ 0,25 uV/div 8 - 1500 Hz ≥ 40dB 8 %
20 Memory addresses 7 Languages (choice of language on the unit) Mains voltages Maximum power - in operation Dimensions (w x h x d) / Weight Safety class Isolationtype Classification according to MDD Safety examination	- English, German, French, Dutch, Spanish, Italian, Portuguese - 100-240 VAC - 50/60 Hz - 85 VA - 266 x 100 x 275mm / 3,650 kg - Class I - Type BF - Class IIa - CE according to MDD 93/42/EEC	

Cryotherapy



Diathermy



Shockwave therapy



Whole Body
Vibration



Treatment
Couches



Electrotherapy



Active Motion



gymna[®]

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Dealer