

Product datasheet

gymna[®]

Duo 400V

The Duo 400V, for electrotherapy. Including a vacuum unit with 2 independent channels.

The Duo 400V, helps achieving your 3 therapeutical goals of pain relief, tissue repair and muscle stimulation by applying electrotherapy.

Including a modular vacuum unit for the application of electrotherapy using vacuum electrodes.

The color touchscreen, for intuitive navigation, guides you to optimal treatment protocols and access to extended clinical information with GTS.



Article number: 360 424 Duo 400V white
360 624 Duo 400V black



Characteristics

■ Therapies:

- Electro therapy, 2 and 4 poles, 2 channels completely independent
- S-D curve diagnostic programs
- Simultaneous therapy (2 different indications treated simultaneously by using both electrotherapy channels)

■ Currents: 31

- Current forms: see next pages

■ Vacuum unit with 2 independent channels:

- 2 or 4 poles
- Electronic vacuum control
- Continuous and pulse mode
- Integrated massage function

■ Functionalities:

- Objectives: 143
- Indications: 170
- Diagnostic: 9
- Body Area: 137
- Cellular effects: 16
- Default therapy programs: 48
- Free memory: 850
- Anatomical library: 91

Technical specifications

Languages : 13

Mains voltages : 100-240-VAC, 50/60 Hz +/- 10%

Max. Power-in operation : 100 VA

Devices (b x h x d) : 360 x 330 x 285 mm

Weight incl. accessories : c.a 10,8 kg

Electrical safety protection : Class II

Applied parts : Type BF

MDD Classification : IIa

Conformity : Directive MDD 93/42/ECC

Standard accessories

100 689	Mains lead
340 406	Electrode cable 2-pole mini/2mm (2)
330 803	Test plug, F/F, 2 mm
340 468	Rubber electrode, 6 x 8 cm 2mm (4)
100 658	Chamex bag, 6 x 8 cm (4)
108 935	Fixing strap, elastic, 5 x 60 cm (4)
115 684	Visual Analogue Scale (VAS-Score)
340 505	Touch pen
340 615	Vacuum tube, dark grey, (2)
340 604	Vacuum tube, light grey, (2)
340 626	Vacuum electrode - Ø 60 mm, (2) (2x)
340 648	Sponge for vac. electrode - Ø 60 mm, (4)
318 164	ET Cable 5p Vaco/Electro 400/Guidance
318 167	Com/Pow Cable 6p Vaco/ Electro 400/Guidance
319 025	Rotary button silver (2)













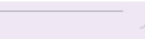







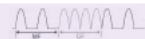
















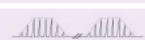









Manuals

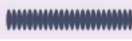



323 011	Safety Instructions
362 505	Quick start manual
362 516	CD user manual Gymna devices multi language





Optional accessories

114 142	Pen electrode with sponge, Ø 15 mm
109 944	Sponge for pen electrode (10)
329 978	Vaginal probe Novatys Gold
330 594	Vaginal probe V2B+
330 572	Vaginal probe Optima 3
330 583	Vaginal probe Perisize 4+
329 989	Anal probe Analia
330 561	Anal probe Analys+
112 166	Stimulation probe, rectal
326 799	Electrode adhesive, Ø 3 cm (4)
326 810	Electrode adhesive, 2.5 x 5 cm (4)
326 821	Electrode adhesive, 5 x 5 cm (4)
326 832	Electrode adhesive, 5 x 10 cm (4)
340 446	Rubber electrode 4 x 6 cm 2mm (2)
340 481	Rubber electrode 8 x 12 cm 2mm (2)
108 934	Fixing strap, elastic, 5 x 30 cm
108 936	Fixing strap, elastic, 5 x 120 cm
100 657	Chamex bag, 4 x 6 cm (4)
100 659	Chamex bag, 8 x 12 cm (4)
340 428	Adaptor cable 2mm (F) → 4 mm (M)
340 637	Vacuum electrode - Ø 90 mm, (2)
114 687	Sponge for vacuum electrode - Ø 90 mm (4)
360 808	Gymna Mobile 400
360 819	Vaco extension cable set Mobile 400
360 830	Vaco cup holder on Mobile 400

	COMBI 400V & 400 VIP	DUO 400V & 400 VIP	COMBI 400 & 400M	DUO 400 & 400M	PULSON 400 & 400 M
Therapies					
Electrotherapy (2 independent channels)	■	■	■	■	■
Ultrasound therapy (1 & 3 MHz)	■	■	■	■	■
Laser therapy (optional)	■	■	■	■	■
Combination therapy	■	■	■	■	■
Simultaneous therapy	■	■	■	■	■
Vacuum	■	■	■	■	■
User-interface					
Full colour TFT display, 10.4 inch (SVGA: 800 X 600 pixels)	■	■	■	■	■
Touch screen	■	■	■	■	■
Customisation wizard	■	■	■	■	■
Colour guided therapy methods	■	■	■	■	■
Enlarged therapy windows in dashboard design	■	■	■	■	■
2 separate intensity regulators	■	■	■	■	■
Guided Therapy System (GTS)	■	■	■	■	■
Medical E-book: anatomical library	■	■	■	■	■
Help and Clinical information screens	■	■	■	■	■
Direct therapy keys	■	■	■	■	■
Protocols: objectives, list of indications, selection for each body area	■	■	■	■	■
Protocols: cellular effects [heal the tissue]	■	■	■	■	■
3D pictures of electrode placement	■	■	■	■	■
Diagnostics (S-D curve, Rheobase, Chronaxy, ...)	■	■	■	■	■
Contra-indications list	■	■	■	■	■
Memory (free locations)					
500 for favourites/own programs	■	■	■	■	■
200 for diagnostic results	■	■	■	■	■
100 for own sequential programs	■	■	■	■	■
50 for shared programs on multiple devices	■	■	■	■	■

Electrotherapy 		COMBI 400V & 400 VIP	DUO 400V & 400 VIP	COMBI 400 & 400M	DUO 400 & 400M	PULSON 400 & 400 M
Unidirectional currents allowed with: 						
Direct current		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rectangular pulse 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2-5 current (Ultra Reiz) 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triangular pulse 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MF rectangular pulse 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iontophoresis- MF rectangular pulse 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iontophoresis- direct current 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diadynamic currents						
MF 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DF 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CP 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LP 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TENS currents						
Conventional TENS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low frequency TENS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burst TENS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High frequency TENS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Random Frequency TENS 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Han Stim (via painrelief) 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NMES currents						
Rectangular surge		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Triangular surge		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Biphasic surge		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intrapuls interval surge 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Russian stimulation 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2-pole MF surge		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isoplanar vector field surge 		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

			COMBI 400V & 400 VIP	DUO 400V & 400 VIP	COMBI 400 & 400M	DUO 400 & 400M	PULSON 400 & 400 M
Interferential currents							
2-pole Medium Frequency			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isoplanar vector field			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dipole vector field			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Classical interferential			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Micro current							
Micro current			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Micro current modulated			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Micro current surge			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Voltage (HVPC)							
High Voltage			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Voltage surge			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic programs							
Rheobase and Chronaxy			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rheobase and AQ			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-D curve rectangular			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-D curve triangular			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S-D curve rectangular + triangular			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pain points			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diagnose stress fracture			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iontophoresis programs			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phonophoresis programs			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Constant Voltage / Constant Current			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ultrasound therapy							
Hybrid treatment head 4 cm ² (1 & 3 MHz, multifrequent)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hybrid treatment head 1 cm ² (1 & 3 MHz, multifrequent)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	COMBI 400V & 400 VIP	DUO 400V & 400 VIP	COMBI 400 & 400M	DUO 400 & 400M	PULSON 400 & 400 M
Laser therapy 					
Monoprobe 400: max. average power: 70,5 mW	○		○		
Clusterprobe 400: max. average power: 4 x 12,6 mW	○		○		
Combination therapy 					
See electro currents with 	■		■		
Simultaneous therapy					
Electrotherapy (2-pole & 4-pole) + Laser (optional)	■		■		
Electrotherapy (2-pole & 4-pole) + Ultrasound	■		■		
Ultrasound + Laser (optional)	■		■		
Electrotherapy (2-pole) + Electrotherapy (2-pole)	■	■	■	■	
Vacuum 					
2 independent channels	■	■			
Electronic vacuum control	■	■			
Continuous & pulsed rhythm	■	■			
Massage effect	■	■			
Control via Combi 400 or Duo 400	■	■			
Vacuum screen in dashboard design	■	■			

■ = Standard
○ = Optional