Product datasheet

Combi 400V

The Combi 400V, for electrotherapy, ultrasound therapy, combination therapy and laser therapy. Includes a vacuum unit with 2 independent channels.

The Combi 400V, helps achieving your 3 therapeutical goals of pain relief, tissue repair and muscle stimulation by applying electrotherapy, ultrasound, combination therapy or laser therapy.
Including a modular vacuum unit for the application of electrotherapy using vacuum electrodes. Additional the vacuum can be applied in Combination therapy.
The color touchscreen, for intuitive navigation, guides you to optimal treatment protocols and access to extended clinical information with GTS.

Article number: 360 414 Combi 400V white
360 614 Combi 400V black

Characteristics

Therapies:
- Electro therapy, 2 and 4 poles, 2 channels completely independent
- S-D curve diagnostic programs
- Ultrasound therapy
- Simultaneous therapy (2 different indications treated simultaneously by using electro and ultrasound therapy)
- Combination therapy (treating one injury simultaneously using a combination of electro and ultrasound therapy)
- Laser therapy

Currents: 31
- Current forms: see next pages
- Currents in Combination therapy : 18

Ultrasound:
- Multifrequency head (1 and 3 MHz), 4 cm^2
- Continuous and pulsed mode (10–20–30–40–50-100%)
- Acoustic and visual contact control led
- 2 ultrasound output connectors

Laser: (the probes are optional)
- Pulsed , infrared gallium arsenide, 905 nm
- 2 probes:
  - Mono probe, mono 400
    - Peak power: 13,5 W
    - Frequency: 2 – 30.000 Hz
    - Maximum average power: 70.5 mW
  - Quad probe, quad 400 (4 diodes)
    - Peak power: 4 x 18 W
    - Frequency: 2 – 5.000 Hz
    - Maximum average power: 4 x 12.6 mW

Vacuum unit with 2 independent channels:
- 2 or 4 poles
- Electronic vacuum control
- Continuous and pulse mode
- Integrated massage function

Functionalities:
- Objectives: 190
- Indications: 279
- Diagnostic: 12
- Body Area: 234
- Cellular effects: 16
- Default therapy programs: 71
- 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)
360 114	US-head 1&3 MHz 4cm^2 US 404
341 088	Contact gel, 500 ml
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

360 111	US-head 1&3 MHz 1cm^2 US 401
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)
341 099	Contact gel, 5L
341 121	Pump, 5L
360 101	Laserprobe mono 400 (incl. holder)
360 104	Laserprobe quad 400 (incl. holder)
339 592	Laser protection glasses
340 417	Remote interlock Laser unit Combi 400
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: cellullar 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	■	■	■	■	
Rectangular pulse	■	■	■	■	
2-5 current (Ultra Reiz)	■	■	■	■	
Triangular pulse	■	■	■	■	
MF rectangular pulse	■	■	■	■	
Iontophoresis- MF rectangular pulse	■	■	■	■	
Iontophoresis- direct current	■	■	■	■	
Diadynamic currents					
MF	■	■	■	■	
DF	■	■	■	■	
RS	■	■	■	■	
CP	■	■	■	■	
LP	■	■	■	■	
TENS currents					
Conventional TENS	■	■	■	■	
Low frequency TENS	■	■	■	■	
Burst TENS	■	■	■	■	
High frequency TENS	■	■	■	■	
Random Frequency TENS	■	■	■	■	
Han Stim (via painrelief)	■	■	■	■	
NMES currents					
Rectangular surge	■	■	■	■	
Triangular surge	■	■	■	■	
Biphasic surge	■	■	■	■	
Intrapuls interval surge	■	■	■	■	
Russian stimulation	■	■	■	■	
2-pole MF surge	■	■	■	■	
Isoplanar vector field surge	■	■	■	■	

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

	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