Product datasheet

Pulson 400

The Pulson 400, for ultrasound.

The Pulson 400, touchscreen device for ultrasound applications. Equipped with multifrequency ultrasound heads for superficial and deeper lying pathologies. Both ultrasound heads with 1cm² and 4 cm² are standard accessories.
The color touchscreen, for intuitive navigation, guides you to optimal treatment protocols and access to extended clinical information with GTS.

Article number: 360 450 Pulson 400 white
360 650 Pulson 400 black

Characteristics

Ultrasound:

- Multifrequency heads (1 and 3 MHz), 1 cm² and 4 cm²
- Continuous and pulsed mode (10–20–30–40–50-100%)
- Acoustic and visual contact control led
- 2 ultrasound output connectors

Functionalities:

- Objectives: 15
- Indications: 23
- Diagnostic: 1
- Body Area: 23
- Default therapy programs: 2
- Free memory: 550
- Anatomical library: 91

Technical specifications

Languages : 13
Mains voltages : 100-240-VAC, 50/60 Hz +/- 10%
Max. Power–in operation : 100 VA
Device (b x h x d) : 360 x 260 x 285 mm
Weight incl. accessories : c.a 7,8 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
360 111	US-head 1&3 MHz 1cm² US 401
360 114	US-head 1&3 MHz 4cm² US 404
341 088	Contact gel, 500 ml
340 505	Touch pen

Manuals

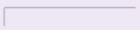
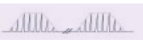
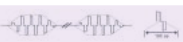
323 011	Safety Instructions
362 505	Quick start manual
362 516	CD user manual Gymna devices multi language

Optional accessories

380 439	Carrying bag touchscreen electro devices
341 099	Contact gel, 5L
341 121	Pump, 5L
360 808	Gymna Mobile 400

Version V5.0

	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	o		o		
Clusterprobe 400: max. average power: 4 x 12,6 mW	o		o		
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
o = Optional