

# Product datasheet

## Duo 200



reddot design award  
winner 2017

*The Duo 200, for electrotherapy*

The Duo 200, a portable touchscreen device with 2 independent channels. Fingertip control for the various types of electrotherapy current, allowing simultaneous therapies. Equipped with electrotherapy protocols for pain control and muscle stimulation.



Article number: 320.220 Duo 200 white  
320 320 Duo 200 carbon black

### Characteristics

- Therapies:
  - Electro therapy, 2 and 4 poles, 2 channels completely independent
  - S-D curve diagnostics programs
  - Simultaneous therapy (2 different indications treated simultaneously by using electro on both channels)
- Currents: 25
  - Current forms: See next pages
- Functionalities:
  - Objectives: 128
  - Indications: 170
  - Diagnostic: 9
  - Free memory: 50
  - Default therapy programs: 25
- Can be connected to the Vaco 200

### Standard accessories

- 100 689 Mains lead
- 340 670 2-pole patient cable with 2mm fiche (2)
- 330 803 Test plug, F/F, 2mm
- 340 468 Rubber electrodes, 6 x 8 cm 2mm fiche (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)

### Manuals

- 323 011 Safety Instructions
- 376 134 Quick start manual
- 376 126 CD user manual Gymna devices multi language

### Optional accessories

- 302 955 Carrier bag 200 series
- 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 electrodes, 4 x 6 cm 2mm fiche (2)
- 340 481 Rubber electrodes, 8 x 12 cm 2mm fiche (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)
- 320 804 Gymna Mobile
- 340 428 Adaptor cable 2mm (F) → 4mm (M)
- 329 956 Incontinence cable 2-pole 2mm











### Technical specifications

Languages	: 12
Mains voltages	: 100-240-VAC, 50/60 Hz +/- 10%
Max. Power-in operation	: 85 VA
Dimensions (b x h x d)	: 268 x 124 x 295 mm
Weight	: ca. 4 kg
Safety	: Class I
Isolation	: Type BF
MDD classification	: IIa
Safety examination	: CE from conformity with Directives MDD 93/42/EEC

	COMBI 200L	COMBI 200	DUO 200	MYO 200	PULSON 200	VACO 200
<b>Therapies</b>						
Electrotherapy (2 independent channels)	■	■	■	■		
Ultrasound therapy (1&3 MHz)	■	■			■	
Laser therapy (optional)	■					
Combination therapy	■	■				
Simultaneous therapy	■	■	■	■		
Pelvic re-education therapy				■		
Muscle re-education therapy				■		
Vacuum						■
<b>User-interface</b>						
Touchscreen navigation	■	■	■		■	
Push Buttons for navigation				■		
Monochrome LCD with backlight (1/4 VGA)	■	■	■	■	■	
2 separate intensity regulators	■	■	■	■		
Direct therapy keys	■	■	■	■	■	
Protocols: Objectives & Indications list	■	■	■	■	■	
Diagnostics S/D curves (Rheobase, Chronaxy, ...)	■	■	■			
Diagnostics (Rheobase, Chronaxy, ...)				■		
Contra-indications list	■	■	■	■	■	
Memory: 50 free locations (Myo: 20)	■	■	■	■	■	





















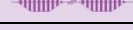






■ = Standard

○ = Optional

		COMBI 200L	COMBI 200	DUO 200	MYO 200	PULSON 200	VACO 200
<b>Ultrasound therapy</b> 							
Treatment head 4 cm <sup>2</sup> (1 & 3 MHz, multifrequent)		■	■			■	
Treatment head 1 cm <sup>2</sup> (1 & 3 MHz, multifrequent)		○	○			○	
Acoustic and visual contact control led		■	■			■	
<b>Laser therapy</b> 							
Monoprobe: max. average power: 70,5 mW		○					
Clusterprobe: max. average power: 4 x 12,6 mW		○					
<b>Myofeedback therapy</b>  							
Electro myography (2 individual EMG channels)					■		
Pressure myography (1 channel)					■		
<b>Combination therapy</b> 							
Ultrasound + Conventional TENS 		■	■				
Ultrasound + Burst TENS 		■	■				
Ultrasound + Random Freq TENS 		■	■				
Ultrasound + 2-pole Medium frequency 		■	■				
<b>Simultaneous therapy</b>							
Electrotherapy (2-pole) + Laser (optional)		■					
Electrotherapy (2-pole) + Ultrasound		■	■				
Ultrasound + Laser (optional)		■					
Electrotherapy (2-pole) + Electrotherapy (2-pole)		■	■	■	■		
Electrotherapy & Myofeedback (on 2 channels)					■		
Myofeedback EMG (on 2 channels)					■		
Myofeedback EMG + Pressure					■		
<b>Vacuum</b> 							
2 independent channels							■
Electronic vacuum control							■
Continuous & pulsed rhythm							■
Connectable in combination with		■	■	■	■		
<b>Myo PC Software package</b>							
Patient database					■		
Pelvic & muscle re-education protocols					■		
Optimal graphical visualization					■		
Comprehensive reporting function					■		

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Electrotherapy 		COMBI 200L	COMBI 200	DUO 200	MYO 200	PULSON 200	VACO 200
		<b>Unidirectional currents</b>					
Rectangular pulse		■	■	■	■		
2-5 current (Ultra Reiz)		■	■	■	■		
Triangular pulse		■	■	■	■		
MF rectangular pulse		■	■	■	■		
Iontophoresis-MF rectangular pulse		■	■	■			
<b>Diadynamic currents</b>							
MF		■	■	■	■		
DF		■	■	■	■		
CP		■	■	■	■		
LP		■	■	■	■		
<b>TENS currents</b>							
Conventional TENS		■	■	■	■		
Low frequency TENS		■	■	■	■		
Burst TENS		■	■	■	■		
High Frequency TENS		■	■	■	■		
Random frequency TENS		■	■	■	■		
Han Stim (via painrelief)		■	■	■	■		
<b>NMES currents</b>							
Rectangular surge		■	■	■	■		
Triangular surge		■	■	■	■		
Biphasic surge		■	■	■	■		
Intrapulse interval surge		■	■	■	■		
Russian stimulation		■	■	■			
2-pole MF surge		■	■	■	■		
Isoplanar vector field surge (4-pole I.F. surge)		■	■	■	■		
<b>Interferential currents</b>							
2-pole medium frequency		■	■	■	■		
Isoplanar vector field-		■	■	■			
Dipole vector field (4-pole I.F. vector)		■	■	■	■		
Classical interferential (4-pole I.F.)		■	■	■	■		
<b>Diagnostic programs</b>							
Rheobase, Chronaxy, AQ		■	■	■	■		
S-D curves		■	■	■			
Pain points		■	■	■	■		
Diagnose stress fracture		■	■			■	
Constant voltage/Constant current		■	■	■	■		

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