

Technical data – comparison sheet

ergoline

MOVING TO HEALTH

Medical Line Bicycle ergometers				
Ergometer	ergoselect 50	ergoselect 100	ergoselect 150 pediatric	ergoselect 200
Brake system	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement
Load	6–450 Watt, speed independent	6–999 Watt, speed independent	6–999 Watt, speed independent	6–999 Watt, speed independent
Accuracy	according to DIN VDE 0750-238	according to DIN VDE 0750-238	according to DIN VDE 0750-238	according to DIN VDE 0750-238
Speed range	30–130 rpm	30–130 rpm	30–130 rpm	30–130 rpm
Handlebar adjustment	angle: 360°	inclination: 360°	inclination: 360°	inclination: 360° / height: 90–126 cm
Saddle height adjustment	mechanical, continuous	mechanical, continuous	mechanical, continuous	motor-driven, continuous
Body height	approx. 120 cm to 210 cm	approx. 120 cm to 210 cm	approx. 120 cm to 210 cm	approx. 120 cm to 210 cm
Patient weight (max.)	160 kg (max.)	160 kg (max.)	160 kg (max.)	160 kg 200 kg with anti-tip protection plate ○
Control unit				
Display	load, speed (rpm), exercise time (numeric values)	load, speed (rpm), exercise time blood pressure, heart rate (LCD)/rpm (LED), spo ₂ ○	load, speed (rpm), exercise time blood pressure, heart rate (LCD)/rpm (LED), spo ₂ ○	oad, speed (rpm), exercise time blood pressure, heart rate (LCD)/rpm (LED), spo ₂ ○
Patient display	speed (rpm)	speed (rpm)	speed (rpm)	speed (rpm)
Keyboard	membrane keyboard	membrane keyboard	membrane keyboard	membrane keyboard
Exercise protocols				
User programmable	10	10	10	10
Fixed protocols (WHO, Hollmann, etc.)	5	5	5	5
Manual load adjustment	●	●	●	●
Options				
Automatic blood pressure measurement	–	○	○	○
Oxygen saturation measurement	–	○	○	○
Interfaces				
Digital (RS-232, USB) / analog / remote start	● / ○ / ○	● / ○ / ○	● / ○ / ○	● / ○ / ○
Miscellaneous				
Dimensions, max. (L x W x H)	approx. 82 cm x 42 cm x 130 cm	approx. 90 cm x 42 cm x 130 cm	approx. 90 cm x 42 cm x 130 cm	approx. 90 cm x 46 cm x 139 cm
Weight	49 kg	56 kg	56 kg	67 kg
Power	100–240 V/50–60 Hz/100 VA max.	100–240 V/50–60 Hz/100 VA max.	100–240 V/50–60 Hz/100 VA max.	100–240 V/50–60 Hz/100 VA max.
FDA listing	yes	yes	submitted	yes

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MOVING TO HEALTH

Medical Line Recumbent ergometers/ Reclining ergometers



Ergometer	ergoselect 600	ergoselect 1000	ergoselect 1200	
Seat / Couch width	54 cm	60 cm	50 cm	
Couch adjustment (angle)	–	0–45 °, motor driven, continuous	0–45 °, motor driven, continuous	
Motor control	–	via control unit with membrane keyboard	via control unit with membrane keyboard, 3 positions programmable	
Seat height adjustment	for patient heights between 150 cm and 210 cm	continuous, for patients from 120 cm to 210 cm (motor driven)	continuous, for patients from 120 cm to 210 cm (motor driven)	
Patient weight (max.)	300 kg	160 kg	160 kg	
Drive unit				
Brake system	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	
Load	6–999 Watt, speed independent	6–999 Watt, speed independent	6–999 Watt, speed independent	
Accuracy	according to DIN VDE 0750-238	according to DIN VDE 0750-238	according to DIN VDE 0750-238	
Speed range	30–130 rpm	30–130 rpm/min	30–130 rpm/min	
Control unit				
Display	load, rpm, time, blood pressure, heart rate (LCD) / rpm (LED)	load, rpm, speed, time, blood pressure, heart rate (LCD) / rpm (LED)	load, rpm, speed, time, blood pressure, heart rate (LCD) / rpm (LED)	
Patient display	speed (rpm)	speed (rpm)	speed (rpm)	
Keyboard	membrane keyboard	membrane keyboard	membrane keyboard	
Exercise protocols				
User programmable	10	10	10	
Fixed incremental protocols (WHO, Hollmann, etc.)	5	5	5	
Manual load adjustment	●	●	●	
Options				
Automatic blood pressure measurement	○	○	○	
Oxygen saturation measurement	○	○	○	
Leg rests (plug-in type) / pedal shoes / arm rests (stainless steel)	–	○	○	
Interface				
Digital (RS-232, USB) / analog / remote start	● / ○ / ○	● / ○ / ○	● / ○ / ○	
ERS Rehabilitation System communication port	○	–	–	
Miscellaneous				
Dimensions, max. (L x W x H)	approx. 165 cm x 75 cm x 108 cm	approx. 220 cm x 80 cm x 160 cm / space required (max.) approx. 240 cm x 80 cm	approx. 240 cm x 90 cm x 180 cm / space required (max.) approx. 260 cm x 120 cm	
Weight	86 kg	120 kg	140 kg	
Power	90–265 V / 50–60 Hz / 60 VA max.	230 V (225 VA max.) / 115 V (225 VA max.)	230 V (225 VA max.) / 115 V (225 VA max.)	
FDA listing	yes	yes	yes	

Technical data – comparison sheet

Optibike Line Bicycle ergometers/ Recumbent ergometers



Ergometer	optibike 50 US Sport	optibike 100 US Sport	optibike 600 US Sport	
Brake system	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	microprocessor controlled eddy current brake with torque measurement	
Load	6 – 400 Watt, speed independent	6 – 400 Watt, speed independent	6 – 999 Watt, speed independent	
Accuracy	according to DIN VDE 0750-238	according to DIN VDE 0750-238	according to DIN VDE 0750-238	
Speed range	30 – 130 rpm	30 – 130 rpm	30 – 130 rpm	
Handlebar adjustment	angle: 360°	angle: 360°	–	
Saddle height adjustment	mechanical, continuous	mechanical, continuous	–	
Body height	approx. 120 cm to 210 cm	approx. 120 cm to 210 cm	approx. 150 cm to 210 cm	
Patient weight (max.)	160 kg (max.)	160 kg (max.)	300 kg (max.)	
Control unit				
Display	load, speed (rpm), heart rate, exercise time, km, kcal, kJ	load, speed (rpm), heart rate, exercise time, km, kcal, kJ	load, rpm, time, blood pressure, heart rate (LCD) / rpm (LED)	
Patient display	speed (rpm)	speed (rpm)	speed (rpm)	
Keyboard	membrane keyboard	membrane keyboard	membrane keyboard	
Heart rate				
Acquisition	chest belt with digital radio transmission	chest belt with digital radio transmission	chest belt with digital radio transmission	
Reception	radio receiver integrated in control terminal	radio receiver integrated in control terminal	radio receiver integrated in control terminal	
Training protocols				
Manual load adjustment	in steps of 1, 5 or 10 watts	in steps of 1, 5 or 10 watts	in steps of 1, 5 or 10 watts	
Training modes	constant load, pulse-controlled, interval, manual	constant load, pulse-controlled, interval, manual	constant load, pulse-controlled, interval, manual	
Training protocols	10 (user-configurable)	10 (user-configurable)	10 (user-configurable)	
Options				
Training documentation	ergoline chipcard stores up to 60 training sessions ○	ergoline chipcard stores up to 60 training sessions ○	ergoline chipcard stores up to 60 training sessions ○	
PC software for exercise documentation	opticare basic ○	opticare basic ○	opticare basic ○	
Interfaces				
Digital (RS-232, USB) / analog / remote start	–	–	–	
Miscellaneous				
Dimensions, max. (L x W x H)	approx. 90 cm x 46 cm x 133 cm	approx. 90 cm x 46 cm x 133 cm	approx. 165 cm x 75 cm x 108 cm	
Weight	61 kg	61 kg	86 kg	
Power	90 – 265 V / 50 – 60 Hz / 60 VA max.	90 – 265 V / 50 – 60 Hz / 80 VA max.	90 – 265 V / 50 – 60 Hz / 60 VA max.	
FDA listing	no	no	no	