CARDIOLINE

XR100+

XR100+ is a robust and reliable cycle ergometer, which is characterized by its high performance during the stress test and the ease of use. The handlebar and saddle have ample adjustment possibilities and a wide range of accessories is available.

The ergometer is equipped with a dual display, one for the operator to keep the situation under control and one for the patient to maintain the correct pedaling frequency. Thanks to the function keys and the graphic display, the operator console also allows the use of pre-set internal protocols or manually manage the load, as well as remote control via Cardioline Cubestress.

The **XR100BP+** version integrates a high quality oscillometric blood pressure monitor, automatically managed by Cubestress.

Technical features

Ergometer

Model	
Operating mode	Continuous operation
Power supply	
Absorbed power	
Principle of brake	computer-controlled electrodynamic brake with
	torque measurement; independent of the speed in
	accordance with DIN VDE 0750-0238
Load variation range	from 6 to 999 Watt, independent of the number of
	revolutions
RPM range	
Deviation of the absorbed power	
Load stages	
Max patient weight	
Saddle height adjustment	continuous, for height ranging from 120 to 210 cm;
	manual adjustment of saddle height
Handlebar adjustment	for stature between 120 to 210 cm, 350°
	continuously adjustable handlebar, fixed
	handlebar column
Crank length	170 mm (possibility to order optional cranks with
	adjustable length)
Display	Display LCD Display: 93 x 70 mm / 128 x 64
	pixels, 7-segment LED display as additional speed
	indicator
Internal protocol	5 fixed protocols and 10 protocols programmable
lakarita	by the operator; manual load controls
Interraces	USB digital connection; RS232 digital connection
Discounies and weight	+ remote control
Dimensions and weight	
	Width: 490 mm
	(Handlebar width: approx 530 mm)
	Height: from 1140 mm to 1400 mm
Cafatranda	Weight: approx 66 kg
Safety rules	DIN EN 60601-1, DIN EN 60601-1-2, DIN VDE 0750-238
Destantian along	* * * * = * *
Protection class	
MDD classification Other Classifications	
Other Glassifications	
Padio interference suppression	RDM (Medical Device Catalogue) 1767070Limit class B according to DIN EN 55011 / 5.0
Naulo interierence suppression	DIN EN 60601-1-2
Environmental conditions	
Environmental conditions	Ореганоп.





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CARDIOLINE

Temperature: from +10 to +40 $^{\circ}\text{C}$ Relative humidity: from 30 to 75%, without

condensation

Pressione atmosferica: da 800 a 1060 hPa

Transport and storage:

Temperature: from -20 to +70 °C

Relative humidity: from 10 to 95%, without

condensation

Atmospheric pressure: da 500 a 1060 hPa:

Blood pressure module

Measurement principle	Korotkoff method, oscillometric, comparison of plausibility of both measurements for resting measurement
Range	Systolic: from 40 to 280 mmHg
	Diastolic: from 40 to 280 mmHg
	Pulse: from 35 to 230 P/min
Errors	Measurement errors: +/- 3 mmHg
	Measurement resolution: +/- 1 mmHg
Pumping pressure	max. 300 mmHg, automatic adaptation of inflation
	pressure during the pumping phase
Pumping speed	between about 6 sec (at 140 mmHg) and about 18
	sec (300 mmHg)
Max cuff pressure	` 0,
Pressure discharge method	Discharge rate depending on pulse of around 3
3	mmHg / pulse or about 3 mmHg / sec
Calibration	Calibration with external pressure measuring
Canstation	device
Artifact suppression	
Aitilaut suppression	Automatio

XR100+

Standard Accessories

Ergometer USB Cable, 5mt User Manual

Accessories

Code	Description
69400074	Band sub-frame roll 50 rips
63090260	Horizontally adjustable saddle support
63090261	Pediatric saddle
67019434	USB connection cable, 7 mt
63090279	RS232 connection cable
63090262	Agonistic saddle
63090263	Horizontally adjustable pediatric saddle support
63090264	Adjustable pedals
67019340	Gas saddle adjustable in height
67019341	Motorized saddle adjustable in height
67019342	Adjustable motorized saddle and handlebars
67019343	Adjustable stretcher for pedals
67019346	Handlebar for Triathlon



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