

Valiant 2 Pediatric

Robust and reliable treadmill that can be controlled by external devices



Highlights

High standards

Lode is a socially and environmentally responsible company. All Lode products are RoHS/WEE compliant and Lode is ISO 9001:2003, ISO and 13485:2008 certified. All medical products comply to MDD 93/42/EEC, incl. IEC 60601-1.

Unique design

The treadmill is designed as part of the Lode design line to fit perfectly in the environment it is used.

Compatible with ECG and pulmonary devices

The treadmill can be controlled by all external stress test ECG and ergospirometry devices through the RS232 or USB port. This is possible because besides the programmed Lode protocol, all known communication protocols are programmed as well.

Easy to operate

For Lode products this means:

- easy to connect
- easy to move around
- easy user interface

Various handrails available

Various handrails are optional available, making the treadmill suitable for your specific stress test setting.



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Modern designed treadmill specifically designed for children. It can be controlled by external ECG and pulmonary devices. The emergency stop magnet contact on the standard front handrail provides additional safety for the user. The Valiant 2 Pediatric offers a smooth acceleration from 0 km/h and is continuously adjustable in a range of 0,1 – 12 km/h (0.06 – 7.5 mph). The running surface is 50 x 127 cm and the standard elevation is 0 - 25%. This treadmill is supplied without any display.

A USB A-B cable for service purposes as well as connecting to ECG and pulmonary testing devices will be standard delivered with the product.

To connect older ECG and pulmonary testing devices with RS232 or other connectors you need a special interface cable that can be ordered separately.

Features



Low noise

Material choices, refined components and accurate manufacturing techniques lead to low noise.



Versatile Interfacing

Various interface protocols guarantee perfect communication with all commonly known stress ECG and spirometry equipment



17
cm

Extreme low step-up height

To allow people to safely and comfortably step up the treadmill it is important to have a very low step-up height

0.1
km/h

Small adjustment steps

The speed of the treadmill can be adjusted in the smallest steps of only 0.1 km/h!



Low cover plate

The motor compartment of the treadmill is designed in such a way that the cover is only marginally higher than the belt surface. This allows for low camera positions in case the treadmill is used for gait analysis purposes. Also a therapist has the best possible view on feet and lower extremities.



Robust design

The product is designed to withstand continuous heavy use by subjects in most weights and sizes.



Downhill walking as an option (-10%)

This treadmill can be executed with 10% negative elevation. This allows for downhill walking which is extremely useful for rehabilitation of certain injuries.



Optional integrated BPM and SpO2

The treadmill can be extended with a stable and reliable blood pressure module and SpO2 measurement.



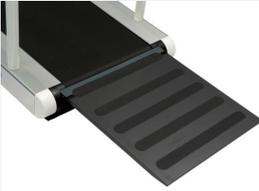
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MOVEMENT & PERFORMANCE

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Valiant 2 Pediatric can a.o be extended with the following options:

<p>USB to Serial converter</p> <p>Easy connection</p>  <p>Partnumber: 226012</p>	<p>Universal treadmill Arm Support</p> <p>Comfort for both test subject and test</p>  <p>Partnumber: 945805</p>	<p>Emergency Stop Button</p> <p>Ultimate safety</p>  <p>Partnumber: 945804</p>	<p>Bottle holder</p> <p>Convenient beverage storage</p>  <p>Partnumber: 401200</p>	<p>Extension for emergency lanyard</p> <p>Original Accessory</p>  <p>Partnumber: 945931</p>
<p>Blood Pressure Measurement with ECG trigger for treadmills with ECG trigger</p>  <p>Partnumber: 945824</p>	<p>Heart rate for treadmills</p> <p>Heart rate in beats per minute</p>  <p>Partnumber: 945820</p>	<p>Programmable Control Unit with 7" touch screen for Treadmill Programmable</p>  <p>Partnumber: 945815</p>	<p>Control Unit with 7" touch screen for treadmill Multifunctionality</p>  <p>Partnumber: 945814</p>	<p>SpO2 for control unit with touch panel (treadmill) Oxygen saturation</p>  <p>Partnumber: 945822</p>
<p>Network Module</p> <p>Easy networking with LEM and LCRM</p>  <p>Partnumber: 945851</p>	<p>Reverse Walking for Valiant 2</p> <p>Simple switching between forward and</p>  <p>Partnumber: 938842</p>	<p>Entrance plate</p> <p>Even easier entrance to the treadmill</p>  <p>Partnumber: 938809</p>	<p>Speed upgrade from 0.1-12 to 0.5-20 km/h for Valiant 2 Higher speeds</p>  <p>Partnumber: 945841</p>	<p>Handrail, front singlesided - Pediatric - Valiant 2</p> <p>Obstacle free observation of the test</p>  <p>Partnumber: 938816</p>

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Specifications

Workload

Maximum speed	12 km/h	7.5 mph
Minimum operational speed	0.1 km/h	0.1 mph
Positive elevation	25 %	
Elevation adjustment steps	0.5 %	

Accuracy

Speed accuracy	5 %
Accuracy inclination	0,5 %

Comfort

Allowed user weight	225 kg	496 lbs
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Connectivity

USB connector	✓
RS232 in connector	✓

Dimensions

Screen resolution	800 x 400 pixels	
Walking surface length	127 cm	50 inch
Walking surface width	50 cm	19.7 inch
Step up height	17 cm	6.7 inch
Product length (cm)	192 cm	75.6 inch
Product width (cm)	76 cm	29.9 inch
Product height	130 cm	51.2 inch

Power requirements

Power cord length	250 cm	98.4 inch
Power cord IEC 60320 C19 with CEE 7/7 plug	✓	
Power cord NEMA	✗	
Maximum rated power input	2500 VA	
115 V AC 50/60 Hz (2 phases)	✓	
230 V AC 50/60 Hz	✓	
Maximum motor power	1.8 kW	

Standards & Safety

IEC 60601-1:2005	✓
ISO 13485:2016 compliant	✓
ISO 9001:2015 compliant	✓
Standard emergency lanyard	✓

Certification

CE class Im according to MDD93/42/EEC	✓
CE class of product with optional SpO2	Ila
CE class of product with optional BPM	Ila
CB according to IEC60950-1	✓

Order info

Partnumber: 938904

*Specifications are subject to change without notice.