

# Valiant 2 sport

Robust and reliable treadmill for sports medicine



## Highlights

### High standards

Lode is a socially and environmentally responsible company. All Lode products are RoHS/WEE compliant and Lode is ISO 9001:2015, and ISO 13485:2016 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.

### Various handrails available

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

### Smooth acceleration

All treadmills have a smooth acceleration from 0 km/h to the start speed.

### Extreme performance option available

Various options make this treadmill the gold standard for top athletes:

- high speeds
- negative elevation
- fallstop
- reverse speed



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Modern designed treadmill specifically designed for sports medical applications. This treadmill can be connected to external ECG- and pulmonary devices as well as to a Lode software network (LEM or LCRM). The Valiant 2 sport offers a smooth acceleration from 0 km/h and is continuously adjustable in a range of 1 - 25 km/h (0.6 - 15.5 mph). Thanks to the unique low design of the cover plate it is possible to place a mirror or camera in front of the treadmill which makes it easier to monitor the gait of the test subject. The Valiant 2 sport has a standard running surface of 70 x 190 cm, 0 - 25% elevation and a full front handrail. The treadmill is equipped with a 7" control unit with Touchscreen for manual control. Other dimensions are available upon request.

A USB A-B cable only for service purposes will be standard delivered with the product.

To connect LEM or LCRM you need a special interface cable that can be ordered under part number 930930.

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

<p><b>USB to Serial converter</b></p> <p>Easy connection</p>  <p>Partnumber: 226012</p>	<p><b>Universal treadmill Arm Support</b></p> <p>Comfort for both test subject and test</p>  <p>Partnumber: 945805</p>	<p><b>Emergency Stop Button</b></p> <p>Ultimate safety</p>  <p>Partnumber: 945804</p>	<p><b>Bottle holder</b></p> <p>Convenient beverage storage</p>  <p>Partnumber: 401200</p>	<p><b>Extension for emergency lanyard</b></p> <p>Original Accessory</p>  <p>Partnumber: 945931</p>
<p><b>Blood Pressure Measurement with ECG trigger for treadmills with ECG trigger</b></p>  <p>Partnumber: 945824</p>	<p><b>Autospeed</b></p> <p>Flexibility in exercising</p>  <p><b>AUTOSPEED</b></p> <p>Partnumber: 945840</p>	<p><b>SpO2 for control unit with touch panel (treadmill)</b></p> <p>Oxygen saturation</p>  <p>Partnumber: 945822</p>	<p><b>Reverse Walking for Valiant 2</b></p> <p>Simple switching between forward and</p>  <p>Partnumber: 938842</p>	<p><b>Handrail, front singlesided Valiant 2</b></p> <p>Obstacle free observation of the test</p>  <p>Partnumber: 938826</p>
<p><b>Handrail, front singlesided - Pediatric - Valiant 2</b></p> <p>Obstacle free observation of the test</p>  <p>Partnumber: 938816</p>	<p><b>Safety Belt and Fall stop for Valiant 2 - 70 cm</b></p> <p>Extra safety</p>  <p>Partnumber: 938823</p>	<p><b>Negative elevation - 10% for Valiant 2 - 70 cm</b></p> <p>Downhill running</p>  <p>Partnumber: 938825</p>	<p><b>Handrail, Front - Pediatric for Valiant 2 - 70 cm</b></p> <p>Versatile adjustability</p>  <p>Partnumber: 938828</p>	<p><b>Entrance plate for Valiant 2 - 70 cm</b></p> <p>Even easier entrance to the treadmill</p>  <p>Partnumber: 938829</p>

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## Specifications

### Workload

Maximum speed	25 km/h	15.5 mph
Minimum operational speed	1 km/h	0.6 mph
Speed adjustment steps	0.1 km/h	0.1 mph
Positive elevation	25 %	
Elevation adjustment steps	0.5 %	
Optional negative elevation	-10 %	

### Accuracy

Speed accuracy	5 %
Accuracy inclination	0,5 %

### Comfort

Allowed user weight	225 kg	496 lbs
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### User Interface

English user interface	✓
Norwegian user interface	✓
Czech user interface	✓
Danish user interface	✓
Dutch user interface	✓
Finnish user interface	✓
French user interface	✓
German user interface	✓
Italian user interface	✓
Japanese user interface	✓
Korean user interface	✓
Polish user interface	✓
Portugese user interface	✓
Russian user interface	✓
Spanish user interface	✓
Turkish user interface	✓
Ukrainian user interface	✓

### Connectivity

USB connector	✓
RS232 in connector	✓

### Order info

Partnumber: 938902

\*Specifications are subject to change without notice.

### Dimensions

Screen resolution	800 x 400 pixels
Walking surface length	190 cm 74.8 inch
Walking surface width	70 cm 27.6 inch
Step up height	17 cm 6.7 inch
Product length (cm)	255 cm 100.4 inch
Product width (cm)	100 cm 39.4 inch
Product height	152 cm 59.8 inch
Product weight	184 kg 405.7 lbs

### Power requirements

Power cord length	250 cm 98.4 inch
Power cord IEC 60320 C19 with CEE 7/7 plug	✓
Power cord NEMA	✗
Power in Horse Power	2.5 HP
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 IECCE CB	✓