

# Valiant 2 sport XL

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 9001:2003, ISO 13485:2008 and FDA 510K certified. All medical products comply to MDD 93/42/EEC, incl. IEC 60601-1.

### 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

### XL Design

The running surface of this treadmill is larger in order to provide more space when running at high speeds



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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 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 XL has a standard running surface of 80 x 200 cm, 0 - 22% elevation and full front handrail. The treadmill is equipped with a 7" control unit with Touchscreen for manual control.

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**  
**0.1  
km/h**

### 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

### 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


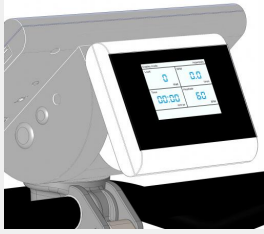







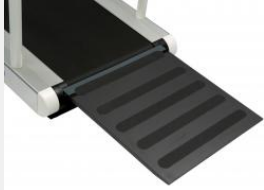
The treadmill can be extended with a stable and reliable blood pressure module and SpO2 measurement.

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

<p><b>Remote Control for treadmill</b></p> <p>Ease of use</p>  <p>Partnumber: 945831</p>	<p><b>Add program function to 7" touch screen for Treadmill</b></p> <p>Programmable</p>  <p>Partnumber: U945815</p>	<p><b>Table foot for Control Unit with Touchscreen</b></p> <p>Control from any desired place</p>  <p>Partnumber: 945818</p>	<p><b>Colour Display 3.5" - 2nd screen</b></p> <p>Multifunctionality</p>  <p>Partnumber: 945819</p>	<p><b>SpO2 for control unit with touch panel (treadmill)</b></p> <p>Oxygen saturation</p>  <p>Partnumber: 945822</p>
<p><b>SpO2 for control unit with touch panel - ordered afterwards</b></p> <p>Ordered afterwards</p>  <p>Partnumber: P945822</p>	<p><b>Blood Pressure Measurement with ECG trigger for treadmills</b></p> <p>with ECG trigger</p>  <p>Partnumber: 945824</p>	<p><b>Heart rate for treadmills</b></p> <p>Heart rate in beats per minute</p>  <p>Partnumber: 945820</p>	<p><b>Emergency Stop Button</b></p> <p>Ultimate safety</p>  <p>Partnumber: 945804</p>	<p><b>Autospeed</b></p> <p>Flexibility in exercising</p>  <p>Partnumber: 945840</p>
<p><b>Adjustable Acceleration &amp; Deceleration for Valiant 2</b></p> <p>Flexibility in exercising</p>  <p>Partnumber: 945846</p>	<p><b>Negative elevation - 10% for Valiant 2 - 80 cm</b></p> <p>Downhill running</p>  <p>Partnumber: 938835</p>	<p><b>Reverse Walking for Valiant 2</b></p> <p>Simple switching between forward and</p>  <p>Partnumber: 938842</p>	<p><b>Entrance plate for Valiant 2 - 80 cm</b></p> <p>Even easier entrance to the treadmill</p>  <p>Partnumber: 938839</p>	<p><b>Handrail, front singlesided Valiant 2</b></p> <p>Obstacle free observation of the test</p>  <p>Partnumber: 938826</p>

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## Specifications

### Workload

Maximum speed	25 km/h	15.5 mph
Minimum operational speed	1 km/h	0.6 mph
Positive elevation	22 %	
Elevation adjustment steps	0.5 %	
Optional negative elevation	-10 %	

### 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	✓	

### Dimensions

Walking surface length	200 cm	78.7 inch
Walking surface width	80 cm	31.5 inch
Step up height	17 cm	6.7 inch
Product length (cm)	265 cm	104.3 inch
Product width (cm)	110 cm	43.3 inch
Product height	152 cm	59.8 inch
Product weight	300 kg	661.4 lbs

### Order info

Partnumber: 938906

\*Specifications are subject to change without notice.

### Power requirements

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 13485:2003 compliant	✓
ISO 9001:2008 compliant	✓
Standard emergency lanyard	✓

### Certification

CE class Im according to MDD93/42/EEC	✓
CTüVus according to NRTL	✓
CB according to IECEE CB	✓