

# Valiant 2 cpet

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

### 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.

### Various handrails available

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

### Extremely accurate

The treadmill is extremely accurate in its speed and angle settings

### Patient friendly treadmill

The treadmill offers ultimate comfort for the patient:

- low step-up height
- faultless operation
- smooth acceleration
- reliable and reproducible test results
- low noise



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Modern designed treadmill specifically designed for cardio-pulmonary exercise testing. This treadmill is standard supplied with a communication module and can therefore be easily controlled by all known stress ECG and pulmonary devices in the world. The low step-up height makes the treadmill perfectly suitable for all test subjects in the field of cardiology and pulmonary function. The emergency stop with magnetic lanyard on the standard front handrail provides additional safety for the user. The Valiant 2 cpet offers a smooth acceleration from 0 km/h and is continuously adjustable in a range of 0,5 – 20 km/h (0.3 – 12 mph). The standard elevation is 0-25% and the running surface is 50 x 150 cm. The Valiant cpet is standard 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**  
**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 cpet can a.o be extended with the following options:

<p>Colour display 3.5" - single display</p> <p>Clear feedback</p> <p>Partnumber: 945810</p>	<p>Control Unit with 7" touch screen for treadmill</p> <p>Multifunctionality</p> <p>Partnumber: 945814</p>	<p>Programmable Control Unit with 7" touch screen for Treadmill</p> <p>Programmable</p> <p>Partnumber: 945815</p>	<p>Remote Control for treadmill</p> <p>Ease of use</p> <p>Partnumber: 945831</p>	<p>Colour Display 3.5" - 2nd screen</p> <p>Multifunctionality</p> <p>Partnumber: 945819</p>
<p>SpO2 for control unit (with touch panel treadmill)</p> <p>Oxygen saturation</p> <p>Partnumber: 945822</p>	<p>SpO2 for control unit with touch panel - ordered afterwards</p> <p>Ordered afterwards</p> <p>Partnumber: P945822</p>	<p>Blood Pressure Measurement with ECG trigger for treadmills</p> <p>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>Emergency Stop Button</p> <p>Ultimate safety</p> <p>Partnumber: 945804</p>
<p>Negative elevation - 10% for Valiant 2</p> <p>Downhill running</p> <p>Partnumber: 938805</p>	<p>Reverse Walking for Valiant 2</p> <p>Simple switching between forward and</p> <p>Partnumber: 938842</p>	<p>Autospeed</p> <p>Flexibility in exercising</p> <p>Partnumber: 945840</p>	<p>Entrance plate</p> <p>Even easier entrance to the treadmill</p> <p>Partnumber: 938809</p>	<p>Handrails, Side - Fixed for Valiant 2</p> <p>Extra support for the test subject</p> <p>Partnumber: 938810</p>

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## Specifications

### Workload

Maximum speed	20 km/h	12.4 mph
Minimum operational speed	0.5 km/h	0.3 mph
Speed adjustment steps	0.1 km/h	0.1 mph
Positive elevation	25 %	
Elevation adjustment steps	0.5 %	
Optional negative elevation	-10 %	

### Comfort

Allowed user weight	225 kg	496 lbs
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### Connectivity

USB connector	✓
RS232 in connector	✓

### Dimensions

Walking surface length	150 cm	59.1 inch
Walking surface width	50 cm	19.7 inch
Step up height	17 cm	6.7 inch
Product length (cm)	213 cm	83.9 inch
Product width (cm)	76 cm	29.9 inch
Product height (excl. control unit)	132 cm	52 inch
Product height (incl. 7" control unit)	150 cm	59.1 inch
Product weight	149 kg	328.5 lbs

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

### Certification

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

### Order info

Partnumber: 938900

\*Specifications are subject to change without notice.