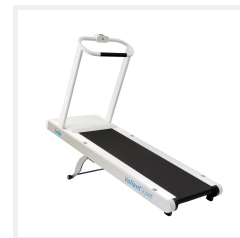# Valiant 2 cpet

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 9001:2015, and ISO 13485:2016 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 therefor 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

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!

17 cm
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.
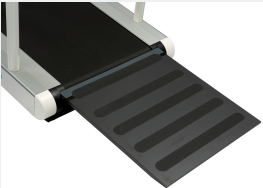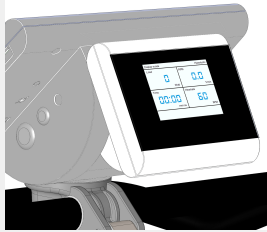
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Valiant 2 cpet can a.o be extended with the following options:

USB to Serial converter	Universal treadmill Arm Support	Emergency Stop Button	Extension for emergency lanyard	Blood Pressure Measurement with ECG trigger for treadmills
Easy connection	Comfort for both test subject and test	Ultimate safety	Original Accessory	with ECG trigger
Partnumber: 226012	Partnumber: 945805	Partnumber: 945804	Partnumber: 945931	Partnumber: 945824

Autospeed	Programmable Control Unit with 7" touch screen for Treadmill	Control Unit with 7" touch screen for treadmill	SpO2 for control unit with touch panel (treadmill)	Safety Belt and Fall stop for Valiant 2
Flexibility in exercising	Programmable	Multifunctionality	Oxygen saturation	Extra safety
Partnumber: 945840	Partnumber: 945815	Partnumber: 945814	Partnumber: 945822	Partnumber: 938803

Entrance plate	Handrails, Side - Fixed for Valiant 2	Handrails, Side - Adjustable for Valiant 2	Handrails, Side - Adjustable; Pediatric for Valiant 2 (yellow)	Colour Display 3.5" - 2nd screen
Even easier entrance to the treadmill	Extra support for the test subject	Safe and flexible handrails	Making your treadmill suitable for children	Multifunctionality
Partnumber: 938809	Partnumber: 938810	Partnumber: 938811	Partnumber: 938812	Partnumber: 945819

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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 %	

Accuracy

Speed accuracy	5 %
Accuracy inclination	0,5 %

Comfort

Allowed user weight	225 kg	496 lbs

Connectivity

USB connector	✔
RS232 in connector	✔

Dimensions

Screen resolution	320x240 pixels	
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 13485:2016 compliant	✔
ISO 9001:2015 compliant	✔
Standard emergency lanyard	✔

Certification

CE class Im according to MDD93/42/EEC	✔
CE class of product with optional SpO2	IIa
CE class of product with optional BPM	IIa
CB according to IECEE CB	✔

Order info

Partnumber:	938900

Specifications are subject to change without notice.

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