Valiant Ultra 250

Multifunctional robust and reliable treadmill

Highlights

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.

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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Ultra large treadmill for various applications. By choosing accessories and options the treadmill can be configured to your specific application. The standard configuration is as follows:

- Belt surface: 250 x 150 cm
- Speed: 0 - 40 km/h
- Start-up speed and speed steps: 0,1 km/h
- Positive elevation: 0 - 25%
- Negative elevation: -25 - 0 %
- Safety: fallstop, emergency stop button and safety lanyard
- Display: programmable 7" Control Unit showing most important ergometry parameters
- Handrails: adjustable and removable
- Connectivity: to be controlled by external ECG- and Pulmonary devices and by a Lode Software Network (LEM or LCRM)
- Maximum patient weight: 225 kg

The functionality of this treadmill can be enhanced considerably by using it with the Lode Ergometry Manager Software (#955900).

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

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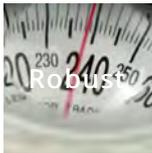Multifunctional robust and reliable treadmill

Features

Versatile Interfacing

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

Small adjustment steps

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

Robust design

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

Optional integrated BPM and SpO2

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

Standard Safety Lanyard

The product comes with a standard safety lanyard to enable automatic emergency stop

Service friendly belt treadmill

Lode treadmills are almost maintenance free. Because of the unique impregnated belt, no belt-greasing and no bearing-greasing are required. The belt is centered automatically without additional adjustment. The only annual maintenance that has to be done is checking the running and electrical parts and the velocity calibration of the treadmill.

Positive Elevation

The positive elevation of the treadmill is standard 25%. This slope is enough for protocols used for the normal and healthy test subjects. Other elevations are available on request.

Closed loop motor control

This way of motor control enables
- Full brake at zero speed.
- Rigid speed control at all speeds, typically at interest when using steep angles, low speeds and/or high Test Subject weight.
- Load independent speed
- Angle independent speed

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Valiant Ultra 250 can a.o be extended with the following options:

Remote Control for treadmill	Colour Display 3.5" - 2nd screen	SpO2 for control unit with touch panel (treadmill)	SpO2 for control unit with touch panel - ordered afterwards	Blood Pressure Measurement with ECG trigger
Ease of use	Multifunctionality	Heart rate in beats per minute	Ordered afterwards	with ECG trigger
Partnumber: 945831	Partnumber: 945819	Partnumber: 945822	Partnumber: P945822	Partnumber: 945824

Heart rate for treadmills	Emergency Stop Button	Autospeed	Reverse walking for Valiant Ultra	Ambient sensor pack
Heart rate in beats per minute	Ultimate safety	Flexibility in exercising	walking backwards	Check environmental conditions during test
				Partnumber: 945826
Partnumber: 945820	Partnumber: 945804	Partnumber: 945840	Partnumber: 938843	

Bottle holder	Extension for emergency lanyard	Table foot for Control Unit with Touchscreen	Wheelchair support for Valiant Ultra 250	Entrance plate Valiant Ultra
Convenient beverage storage	Original Accessory	Control from any desired place	Versatile wheelchair testing	Easy entrance
Partnumber: 401200	Partnumber: 945931	Partnumber: 945818	Partnumber: 938870	Partnumber: 938852

Lode
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Specifications

Workload

Maximum speed	40 km/h	24.9 mph
Minimum operational speed	1 km/h	0.6 mph
Speed adjustment steps	0.1 km/h	0.1 mph
Positive elevation	25 %	
Negative elevation	-25 %	

Comfort

Allowed user weight	225 kg	496 lbs

User Interface

English user interface	yes
Norwegian user interface	yes
Czech user interface	yes
Danish user interface	yes
Dutch user interface	yes
Finnish user interface	yes
French user interface	yes
German user interface	yes
Italian user interface	yes
Japanese user interface	yes
Korean user interface	yes
Polish user interface	yes
Portuguese user interface	yes
Russian user interface	yes
Spanish user interface	yes
Turkish user interface	yes
Ukrainian user interface	yes
Readout Angle	yes
Readout Target Angle	yes
Readout Distance	yes
Readout Speed	yes
Readout Energy	yes
Readout Time	yes
Set Display	yes
Customized Screenviews	yes
Manual operation mode	yes
Quick start operation mode	yes
Touchscreen	yes

Connectivity

Lode 38K4 interface protocol	yes
Lode ERM interface protocol	yes
"HP Cosmos" interface protocol	yes
"Woodway" interface protocol	yes
"Trackmaster" interface protocol	yes
"GE" interface protocol	yes
USB connector	yes
RS232 in connector	yes

Dimensions

Walking surface length	250 cm	98.4 inch
Walking surface width	150 cm	59.1 inch
Step up height	35 cm	13.8 inch
Product length (cm)	254 cm	100 inch
Product width (cm)	246 cm	96.9 inch
Product height	130 cm	51.2 inch

Power requirements

Maximum rated power input	8000 VA
3 x 400 V	yes
Maximum motor power	8 kW

Standards & Safety

ISO 9001:2008 compliant	yes
Integrated emergency stop	yes
Standard emergency lanyard	yes

Order info

Partnumber	938925

Specifications are subject to change without notice.