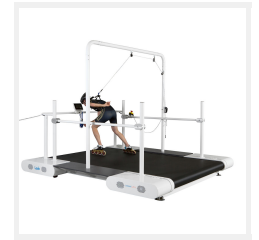# Valiant Ultra 300

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.

### 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

### Unique ultralarge dimension

The extreme dimensions of this treadmill provides the possibility to use for various applications and sportsmedical settings.



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# Valiant Ultra 300

Multifunctional robust and reliable treadmill

Ultra large treadmill with 300 x 200 cm beltsurface for various applications. By choosing accessories and options the treadmill can be configured to your specific application. The available configuration is very complete:

- 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
- Handrails: adjustable and removable
- Connectivity: to be controlled by external ECG- and Pulmonary devices and by a Lode Software Network (LEM or LCRM)

## 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 300

Multifunctional robust and reliable treadmill

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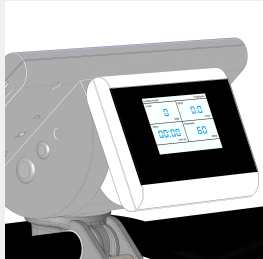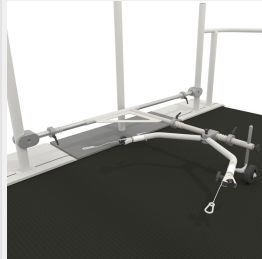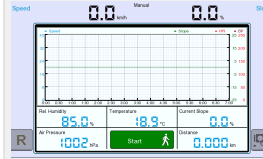
The functionality of this product can be enhanced considerably by using it with the Lode Ergometry Manager Software (#955900).

# Valiant Ultra 300

Multifunctional robust and reliable treadmill

Valiant Ultra 300 can a.o be extended with the following options:

| Emergency Stop Button | Bottle holder | Extension for emergency lanyard | Blood Pressure Measurement with ECG trigger for treadmills | SpO2 for control unit with touch panel (extra long cable) |
|---|---|---|---|---|
| Ultimate safety | Convenient beverage storage | Original Accessory | with ECG trigger | Oxygen saturation |
| Partnumber: 945804 | Partnumber: 401200 | Partnumber: 945931 | Partnumber: 945824 | Partnumber: 945822 |

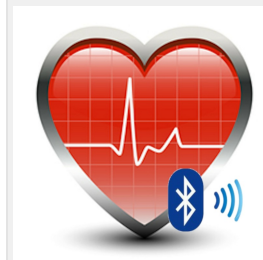| Table foot for Control Unit with Touchscreen | Colour Display 3.5" - 2nd screen | Wheelchair support for Valiant Ultra 300 | Ambient sensor pack | Entrance plate Valiant Ultra |
|---|---|---|---|---|
| Control from any desired place | Multifunctionality | Versatile wheelchair testing | Check environmental conditions during test | Easy entrance |
| Partnumber: 945818 | Partnumber: 945819 | Partnumber: 938871 | Partnumber: 945826 | Partnumber: 938852 |

| SpO2 for control unit with touch panel - ordered afterwards | Remote Control for treadmill | Adjustable Acceleration & Deceleration for Katana & Ultra | Remote Control for treadmill (ordered afterwards) | Bluetooth Smart heart rate |
|---|---|---|---|---|
| Ordered afterwards | Ease of use | Flexibility in exercising | Ease of use | Heartrate available within an extreme wide |
| Partnumber: P945822 | Partnumber: 945831 | Partnumber: 945847 | Partnumber: P945831 | Partnumber: 945833 |

# Valiant Ultra 300

Multifunctional robust and reliable treadmill

## Specifications

### Workload

| | | |
|---|---|---|
| Maximum speed | 40 km/h | 24.9 mph |
| Minimum operational speed | 01 km/h | 0.6 mph |
| Speed adjustment steps | 0 km/h | 0 mph |
| Positive elevation | 25 % | |
| Elevation adjustment steps | 0 % | |
| Negative elevation | -25 % | |

### Accuracy

| | |
|---|---|
| Speed accuracy <2 km/h | ± 0,1 km/h |
| Speed accuracy >2 km/h | ± 5 % |
| Accuracy inclination | ± 0,3 % |

### Comfort

| | | |
|---|---|---|
| Allowed user weight | 225 kg | 496 lbs |

### User Interface

| | |
|---|---|
| English user interface | ✔ |
| Chinese user interface | ✔ |
| Croatian user interface | ✔ |
| Czech user interface | ✔ |
| Danish user interface | ✔ |
| Dutch user interface | ✔ |
| Finnish user interface | ✔ |
| French user interface | ✔ |
| German user interface | ✔ |
| Greek user interface | ✔ |
| Hungarian user interface | ✔ |
| Italian user interface | ✔ |
| Japanese user interface | ✔ |
| Korean user interface | ✔ |
| Latvian user interface | ✔ |
| Lithuanian user interface | ✔ |
| Norwegian user interface | ✔ |
| Polish user interface | ✔ |
| Portugese user interface | ✔ |
| Romanian user interface | ✔ |
| Russian user interface | ✔ |
| Spanish user interface | ✔ |
| Swedish user interface | ✔ |
| Turkish user interface | ✔ |
| Ukrainian user interface | ✔ |
| Readout Angle | ✔ |
| Readout Target Angle | ✔ |
| Readout Distance | ✔ |
| Readout Speed | ✔ |
| Readout Energy | ✔ |
| Readout Time | ✔ |
| Set Display | ✔ |
| Customized Screenviews | ✔ |
| Manual operation mode | ✔ |
| Quick start operation mode | ✔ |
| Touchscreen | ✔ |

# Valiant Ultra 300

Multifunctional robust and reliable treadmill

## Connectivity

| | |
|---|---|
| Lode 38K4 interface protocol | ✔ |
| Lode interface protocol | ✔ |
| Lode WLP interface protocol | ✔ |
| "HP Cosmos" interface protocol | ✔ |
| "Woodway" interface protocol | ✔ |
| "Trackmaster" interface protocol | ✔ |
| "GE" interface protocol | ✔ |
| USB connector | ✔ |
| Analog connector | ✔ |
| SpO2 connector | ✔ |
| RS232 in connector | ✔ |
| RS232 out connector | ✔ |

## Dimensions

| | | |
|---|---|---|
| Screen resolution | 800 x 400 pixels | |
| Walking surface length | 300 cm | 118.1 inch |
| Walking surface width | 200 cm | 78.7 inch |
| Step up height | 35 cm | 13.8 inch |
| Product length (cm) | 325 cm | 128 inch |
| Product width (cm) | 296 cm | 116.5 inch |
| Product height at no elevation | 260 cm | 102.4 inch |
| Product height at maximum elevation | 290 cm | 114.2 inch |
| Product weight | 1000 kg | 2204.6 lbs |

## Power requirements

| | |
|---|---|
| Power cord 3L+N+PE | ✔ |
| Power cord NEMA | ✖ |
| Maximum rated power input | 8000 VA |
| 3 x 400 V | ✔ |
| Maximum motor power | 8 kW |

## Standards & Safety

| | |
|---|---|
| ISO 9001:2015 compliant | ✔ |
| Integrated emergency stop | ✔ |
| Standard emergency lanyard | ✔ |

## Order info

| | |
|---|---|
| Partnumber: | 938930 |

*Specifications are subject to change without notice.*

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ISO 9001:2016 and ISO 13485:2016