

# Haglöf Sweden® VL5 & L5

**NEW!**

Modern, versatile, with increased measuring range and data storage!



- **Laser instruments that can be customized for your needs.**
- **Easy to use and with reliable results.**
- **Focus on compatibility and communication.**
- **Rugged exterior and smart interior.**
- **Energy saving and versatile.**

## Think high, measure far. Think smaller - measure close!

With Haglöf Sweden's new laser instruments you can measure distances from a few centimeters or inches to several hundreds of meters/yards. A new **adjustable laser filter** allows for flexible measuring, where you can select to measure the closest object, the farthest object or the object that submits the strongest signal.

## And think about our environment.

The **built-in rechargeable battery** causes less negative impacts on the environment - and positive effects on your battery costs. Charge your instrument in your PC, your car, or with ac/dc adapter.

## Let your measuring needs determine instrument model!

**Different instrument configurations**, especially adapted for the work you do, ensure best possible efficiency. For tree inventory and sample plot measuring, we suggest the VL5 Vertex Laser with functions to **calculate mean height in a stand**. If your work is all about power line planning and control, you need the L5 Laser, capable to measure long distances and that quickly can tell whether a **border tree** can cause danger if falling over a power line. On paper and pulp industries, you may need to measure **timber stack volumes**. On a clear cut area, you may want to **calculate total area**. These instruments can



## Easy to use with a new keyboard.

Step through the **logical menu structure** with the **new button overlay** that you recognize from our classical Vertex IV ultrasonic instrument. We have put extra efforts into making the VL5 and L5 easy to work with. Complex measuring operations are performed efficiently.

## Communicate, store and process data.

These laser instruments can **transfer** data wireless with Bluetooth and IR. They can also **store** information, and built-in functions can **process** field data and for example calculate average height on a measured stand.

The sight has a 1x magnification which **simplifies** identification of individual objects. Use your normal vision and avoid problems to hit the right target.

# VL5 Vertex Laser

**NEW!**

## Ultra Modern, User Friendly, Versatile and Rugged

With the unique combination of laser and ultrasound and a versatility that outperforms the competition we present the new VL5 Vertex Laser instrument. This is the optimal technical solution for any type of field measuring situation, weather and terrain. The VL5 is a rugged and reliable device that works for any height, distance and angle you need to know. In undergrowth with poor sighting – use the ultrasound. For very short and very long distances in open terrain – work with the laser.

The Vertex Laser is an indispensable instrument for forest inventory work. With its adaptability and versatility, the VL5 is excellent for measuring close and far away, in thick forests and in open fields. The ultrasonic method is ideal for measuring circular sample plots or reverse prism cruise with the built in basal area factors. The correct distance to the centre of the plot or the minimum required diameter is quickly displayed on the screen. New storing capacity and functions to calculate average stand height makes the VL5 even more useful in your plot survey work!

The illuminated cross hairs aim improves sighting and spotting individual trees and/or other objects in the forest. The new button overlay is **user friendly and the technology is integrated in a rugged and reinforced housing. Built-in mounting point for tripod for even steadier aim!**

*The Vertex Laser instrument is excellent to measure radius in sample plots, and ensures a much more accurate result. With the built in BAF function you are able to be at the tree and determine its minimum diameter for inclusion into the point sample. The BAF function allows you to accurately point sample thick underbrush that you normally could not sample using a standard prism.*



Better accuracy means more money! The NEW VL5 includes updated firmware, increased measuring range, a user friendly overlay, modern electronics, and the tested, proven reliable and unique measuring concept from our Vertex Laser instrument. The VL5 is the ultimate measuring instrument when you have high demands, when you measure often and when you depend on functionality and precision.

### Vertex Laser VL5

<b>Size:</b>	93x63x72mm /3.7x2.5x2.8"
<b>Weight:</b>	243 g, 8.6oz
<b>Battery and consumption:</b>	Chargable Li-Ion 3.7V, built-in, approx. 9000 measurings. Charging time max 3.5h. USB mini B interface wall charger 110/220AC/5VDC; car charger adapter 12VDC. Cable Usb mini B Male/Usb Type A Male, 0.5m. Consumption max 0.9W
<b>Communication:</b>	IR, Bluetooth® class 2, Spp (serial profile), pincode 12345
<b>Temperature:</b>	-20° to +45° C / -4F-113F
<b>Height:</b>	0-999 m/ft. Resolution height: 0.1 m/ft
<b>Angle:</b>	-55° - 85° deg. Unit: Degrees 360°, Grads 400° and %. Resolution: 0.1° (deg) Accuracy: 0.1° (deg)
<b>ULTRASOUND:</b>	Distance: 30 m/98 ft or more. With 360° adapter: 20 m/60 ft or more. Accuracy distance: 1% or better. Resolution distance: 0.01m/0.1ft
<b>LASER:</b>	Distance: 46cm/1.5ft - 700m/2000ft depending on target. Accuracy: 4cm/0.1ft. Resolution: 0.1m/ft (0.01m/0.1ft in DME-mode)
<b>Shock/Vibration/Moist/Laser class:</b>	MIL-STD-810E. Housing frame material glass filled poly carbonate, IP67, NEMA6, Laser class 1, 7mm (FDA, CFR21) Class 1m (IEC 60825-1:2001)
<b>Sight:</b>	LED crosshairs 1 x magnification
<b>Display:</b>	Grafic LCD 100x60pixel
<b>Dataformat:</b>	Nmea or Ascii
<b>Memory:</b>	2000 dataset, non-volatile
<b>Other information, details, accessories etc.</b>	See user's manual and/or separate product sheet

Art.no	Description
15-103-1020	Vertex Laser VL5 BT 360 adapter, transponder T3 & monopod
15-103-1021	Vertex Laser VL5 BT and transponder T3.
15-103-1022	Vertex Laser VL5 BT measuring instrument
15-103-1004	Tripod and adapter VL5/L5
15-103-1006	Tripod/stativ
15-103-1007	Adapter
15-104-1004	T3 Transponder
15-104-1005	Monopod