



The Vertex IV

- The Vertex IV measures distances, angles and heights with reliable and proven accurate ultrasound technology
- Aluminum housing and sealed electronics
- Suitable for foresters to measure tree heights
- Excellent to measure radius in sample plots
- Built-in BAF (point sampling/reverse prism) functions
- Compensated values to measure in steep terrain and in slopes
- Built-in Bluetooth® and IR
- Low battery consumption
- Reference users worldwide

Use the Vertex IV to measure tree heights with accuracy and speed. The instrument system will also give swift measurement information on distance, horizontal distance, angle and inclination. The ultrasound measuring technology used in the Vertex can be operated in areas with dense terrain and thick undergrowth, where conventional methods such as measuring tapes, laser instruments and mechanical height measurers are difficult to use.

The Vertex IV instrument is built tough with a sturdy aluminum housing, sealed electronics and a large, easy-to-read alphanumeric display. A tilt sensor allows for exact height measuring in slopes or on hills. Infrared and Bluetooth® enable direct transfer of measurements to unlimited peripheral devices. The Vertex allows for distance measuring up to 30 meters/98 feet and multiple heights per object. It is excellent to measure sample plot radius, limiting distances and diameters for BAF point samples and more.



Ultrasound is a well proven technology for measurement work in the forest. Ultrasound works also when the reference point is obscured and covered by shrubs, branches and leaves.



To securely define a reference point, the Vertex IV works with the transponder T3. The Vertex IV communicates with the transponder and eliminates mix-ups of signals from other instruments or places.

The reference point, i.e. the T3 Transponder, is used as a sight mark for height measuring and can be placed at optional heights, where visibility is the best in for example thick vegetation. The reference point height is set in the Vertex instrument and automatically added to the measured height. For plot survey, the T3 is placed on the custom monopod and adapter to receive signals in a full circle.



TECHNICAL SPECIFICATION VERTEX IV Bluetooth®

Size:	80x50x30 mm/3.2x2x1.2"
Weight:	160g/5.6 oz (incl. battery).
Battery:	1 x 1,5 AA alkaline, Current 20mA with Bluetooth 150mA.
Temperature:	Min -15° Max 45° C / Min 5° Max 113° F.
Wireless interface:	Bluetooth 1x or IR.
Signal:	Built-in loudspeaker.
Ultra sonic frequency:	25 kHz.
Height:	Min 0 Max 999 m/Yds. Resolution: 0.1 m/ 0.1 ft.
Angles:	-55° to 85°/-60° to 94° Resolution: 0.1°.
Distance:	30m/98ft or better. With 360° adapter 20m/60ft or better. Resolution: 0.01 m/ 0.1 ft. Accuracy: 1% or better.
BAF factors:	0.5, 1 to 9 (m ² /ha) or 5, 10, 15..to 50 (ft ² /acre).

TRANSPONDER T3

Size:	Diameter 70mm/2,8"
Weight:	85 g/3oz (Incl. battery).
Battery:	1.5V AA alkaline.
Consumption:	max 9mW.

VERTEX IV 15-105-1008 compl. 360° package/set incl. Vertex IV instrument, transponder T3, plot staff and adapter.

15-105-1009 60° package/set incl. Vertex IV measuring instrument, transponder T3.

15-105-1010 Vertex IV measuring instrument only.

User instructions included. Aluminum transport case. Measuring instrument and transponder use AA batteries that may or may not be included in the case depending on shipping destination.

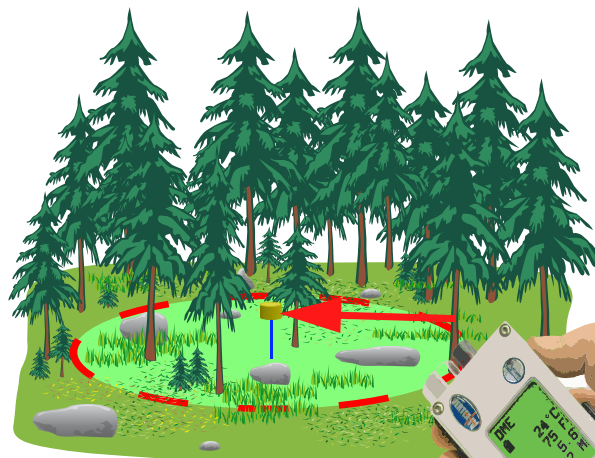


The Vertex IV ultrasound hypsometer is a great instrument for forestry applications. The measured angles and distance to the reference point are used to calculate tree heights with great accuracy. The Vertex IV automatically assumes that the measuring object is perpendicularly positioned to the ground.

The Vertex IV instrument system is easy to learn and practical to use. It has been tested and approved and is used in all types of forests and climates around the world.

The built-in BAF (Basal Area Factor) function is useful for cruising with reverse prism with preset basal area factors, and to control the minimum diameter of border trees when counting stems with a factor gauge.

Data from the Vertex IV can be transferred through IR or Bluetooth®. and stored and processed in the DP II, Digitech Professional or MD II calipers or other handheld computers.



Ultrasound signals work when the target is covered by shrubs and undergrowth. Tree heights are calculated as a compensated value with the variables obtained when measuring angle and distance. Use the Vertex IV with the transponder T3 pinned to the tree or mounted on the custom plot staff and adapter.



The **Transponder T3** is water resistant, rugged and has a simple construction in a bright, visible color. T3 uses one AA battery and it is compatible with Haglöf instruments DP DME, Vertex IV, DME and VL Vertex Laser. The transponder is equipped with a pin to place directly on a tree stem. It can also be used with an adapter and monopod staff to measure in a full circle in sample plot work. Art. no. Transponder T3 orange: 15-104-1012. Diameter T3: 70mm/2.8". Weight: 85g/3.4oz. 1 x 1.5V AA alkaline battery, consumption max. 9mW. The **Monopod plot staff** is produced in sturdy light-weight, bright blue aluminum material with a pointy end. Art. no. Monopod plot staff: 15-104-1013. Height when assembled 130cm/50.7", weight approx. 240g/9.6oz. The **Adapter** is mounted on the plot staff and allows for measuring in a full 360° circle. Art. no. Adapter 15-104-1011. Plastic, height approx. 47mm/1.88", weight approx. 40g/1.6oz.