

# VERTEX IV

## Your Favorite in the Forest: Accurate, Easy and Reliable!

The Vertex instrument is our best selling instrument for precision height, distance and horizontal distance measuring in forests and fields.

### The Vertex IV – Classic Height Measurer for Foresters!

- With the Vertex IV you measure distance, angles and heights
- Built for accurate results in the forest
- Excellent to measure radius in sample plots
- Built-in BAF functions
- Horizontal distance, measure in any hilly or steep terrain
- Built-in Bluetooth for result transfer
- Built for the professional user
- Low battery consumption
- Ultrasound, perfect method in dense terrain
- Proven accurate & reliable technology
- Multilingual user's guide
- Proven reliable with reference users worldwide



**The Vertex instrument is an instrument designed for precision height-, distance and horizontal distance measuring in the forest.**

With the Vertex you will obtain accurate readings also in areas with thick undergrowth. The instrument can measure an unlimited number of heights per object from any distance up to 30 meters/yds or longer!

Small and robust, the Vertex IV has rubber coated aluminium housing, sealed electronics and a large, easy-to-read alphanumeric display. A built-in tilt sensor allows for exact height measuring in slopes or on hills. The Vertex is easy calibrated and includes a built-in infrared

or Bluetooth® transmitter for transfer of measuring results for external storing and processing in computer caliper or other field computer.

The Vertex uses ultrasound to measure distances. **Ultrasound technique works also when there is no clear sight to the reference point.** The ultrasonic pulses search and choose the shortest way around scrubs and other obstacles in the forest.

Tree heights are calculated trigonometrically, using variables contained when measuring inclination and distance. The instrument will automatically assume that the measuring object is perpendicularly positioned to the ground.

**The Transponder T3** is used together with

the Vertex, the Vertex Laser and the DME instruments. It is water resistant, rugged and has a simple construction in a bright, visible colour. Pin the T3 transponder direct on the tree stem or fasten on the monopod staff for measuring in a full circle.



” **Designed for precision measuring in the forest...**



*The Vertex instrument works great to measure radius in sample plots, it simplifies the job 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 to be included into the point. The BAF function allows you to prism cruise on track with thick underbrush that you normally could not do using a standard prism.*

# VERTEX IV

## Technical Specification

### VERTEX IV

<b>Size:</b>	80 x 50 x 30 mm / 3.2x2x1.2"
<b>Weight:</b>	160 g / 5.6 oz (incl. battery)
<b>Battery:</b>	1 x 1.5 AA alkaline, Current 20mA with Bluetooth 150mA
<b>Temperature:</b>	Min -15° Max 45° C / Min 5 Max 113 F
<b>Wireless interface:</b>	Bluetooth, Slave Serial Profile, IR
<b>Signal:</b>	Built-in loud speaker
<b>Ultra sonic frequency:</b>	25 kHz

### MEASUREMENT SPECIFICATIONS

<b>Height:</b>	Min 0 Max 999 m/yds <b>Resolution:</b> 0.1 m / 0.1 ft
<b>Angles:</b>	-55° to 85° deg / -60° to 94° grads <b>Resolution:</b> 0.1°
<b>Distance:</b>	30 m / 98 ft or better with 360° adapter 20 m / 60 ft or better. <b>Resolution:</b> 0.01 m / 0.1 ft <b>Accuracy:</b> 1 % or better
<b>BAF factors:</b>	0.5, 1 to 9 (m <sup>2</sup> /ha) or 5, 10, 15..to 50 (ft <sup>2</sup> /acre)

### TRANSPONDER T3

<b>Size:</b>	Diameter 70 mm/2.8"
<b>Weight:</b>	85 g,/5 oz (Incl. Battery)
<b>Battery:</b>	1.5V AA alkaline
<b>Consumption:</b>	max 9 mW

### MONOPOD/PLOT CENTER STAFF

<b>Size:</b>	Extends to 140 cm/ 55", 4 parts
<b>Weight:</b>	265 g / 9.5oz
<b>Material:</b>	Aluminium
<b>Adapter:</b>	Plastic/metal, 35 g / 1.2 oz

## Ordering Information

15-105-1008 VERTEX IV, 360 adapter, transponder T3 & monopod



15-105-1009 VERTEX IV & transponder T3



15-105-1010 VERTEX IV measuring unit



15-104-1004 T3 Transponder



15-104-1005 Monopod/Plot Center Staff



15-104-1001 Adapter 360 degrees



HAGLÖF SWEDEN AB

Box 28, Klockargatan 8 • S-882 21 Långsele • Sweden  
Phone +46 620 255 80 • Fax +46 620 205 81  
info@haglofsweden.com • www.haglofsweden.com

