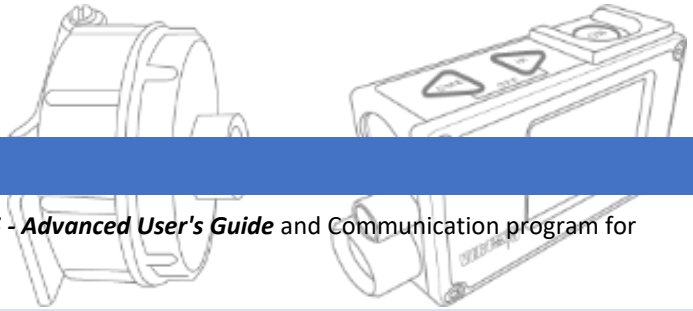
Vertex 5 – Quick Guide

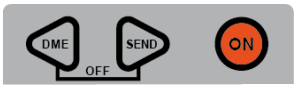
2020-12-02



VERTEX 5 - ADVANCED USER'S GUIDE

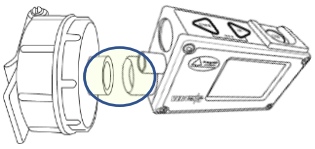
The included USB memory stick contains the ***Vertex 5 - Advanced User's Guide*** and Communication program for Windows ***Haglof BLE Commander***.

KEYPAD



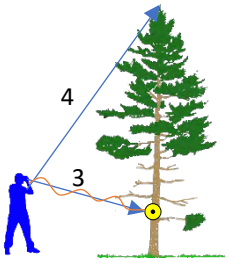
- ON button: Used to start the Vertex, to confirm a value and as a trigger when measuring.
- DME button: Used for distance measurement, to navigate in menus and to change the brightness of the red cross sight.
- SEND button: Used to send data to Vertex memory or with IR (DPII, MDII Calipers) or Bluetooth® to external devises and to navigate in menus.
- DME SEND: Used to Turn the Vertex off.

TURN ON/OFF T3 TRANSPONDER



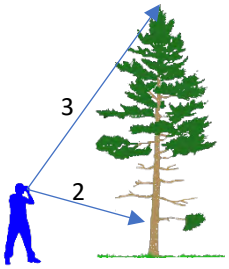
1. Hold the Vertex 5 and the Transponder T3 ultrasonic transceivers close to each other, about 0-2 cm/0-1 in.
2. Press the **DME** button.
    a. 2 short beeps are heard from the transponder when turned on
    b. 4 short beeps are heard from the transponder when turned off.

HEIGHT MEASUREMENT WHEN USING THE T3 TRANSPONDER



1. Start the transponder and place it on the object to measure at the preset **TRP.HGT**.
2. Press ON and select **HEIGHT**. Aim towards the transponder positioned at the preset **TRP.HGT**.
3. Press and hold down ON until the sight cross goes out then release the button. *The red cross sight is now flashing*.
4. Aim to the height to measure. Press and hold down ON until the sight cross goes out then release the button. *The measured height is displayed*.
5. Repeat the procedure from step 4 to measure more heights on the same object.

HEIGHT MEASURING WITHOUT USING THE T3 TRANSPONDER



1. Press ON, select **HEIGHT** and then press SEND to use the **M.DIST** value displayed. (Change the **M.DIST** in **SETTINGS**)
2. Aim to the point that corresponds to the preset **TRP.HGT** and press and hold down ON until the sight cross goes out then release button. *The red cross sight starts to flash*.
3. Aim to the height to measure. Press and hold down ON until the red cross sight goes out then release the ON button. *The measured height is displayed*.
4. Repeat the procedure from step 4 to measure more heights on the same object.

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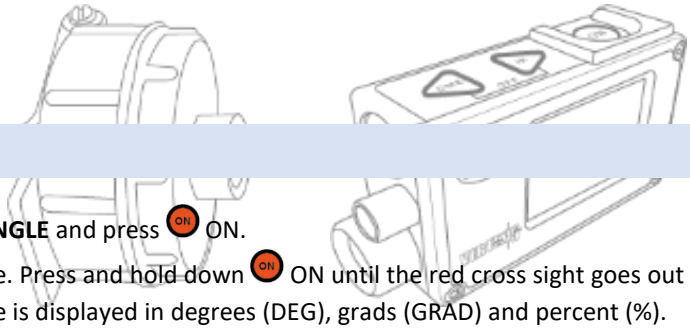

ANGLE MEASURING

1. Press ON to start the Vertex and go to **ANGLE** and press ON.
2. Aim to the point where to measure the angle. Press and hold down ON until the red cross sight goes out then release the button. The measured angle is displayed in degrees (DEG), grads (GRAD) and percent (%).

DISTANCE MEASURING (DME)

1. Activate the T3 transponder and place it on/by the object where the required distance to be measured.
2. Press the DME button. The measured distance is displayed.
   (Metric or feet is set in the **SETTINGS** menu.)

HORISONTAL DISTANCE IN SLOPES

1. Activate the T3 transponder and place it on/by the object where the required distance to be measured
2. Press ON to start the Vertex and go to ANGLE and press ON.
3. Aim to the transponder. Press and hold down ON until the red cross sight goes out then release the button and the angle has been measured.
4. Now press the DME button when the angle has been measured and the horizontal distance is displayed.
   Horizontal distance measurements are useful if a circular sample plot is in a slope to get the correct horizontal radius.

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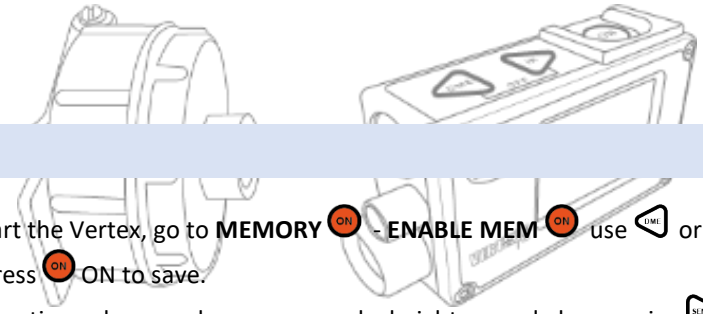

STORE TO MEMORY

1. Enable memory storage. Press ON to start the Vertex, go to **MEMORY** ON - **ENABLE MEM** ON use DME or SEND to tick the **MEMORY** ☑ checkbox and press ON to save.
2. Now you can store data in the memory at any time when you have measured a height or angle by pressing SEND to send the data to the memory.

SEND FILE TO HAGLOF LINK

1. Start the app **Haglof Link** on your mobile device.
2. Click the icon on **Files**
    a. On the Vertex, Select **MEMORY** and press ON and go to **SEND FILE** and press ON. Vertex will wait to connect to Haglof Link.
3. In Haglof Link click on START RECEIVING.
    a. Haglof Link will connect, show CONNECTED TO VERTEX 1001 and the Vertex will transfer the file.
    b. If Haglof Link do not connect and find the Vertex 5, click CONNECT TO DEVICE, Haglof Link will search for the unit. When the Vertex unit appears in the list, click and select it.
4. When transfer is completed, click BACK in Haglof Link and the file will be listed in **Files**.
5. In **Files**. Click on the file and select what you want to do; **Open**, **Delete** or **Share**.

HAGLOF LINK

Haglof Link is free and can be downloaded from **App Store** or **Google Play**.

Haglof Link

Download on the App Store

GET IT ON Google play

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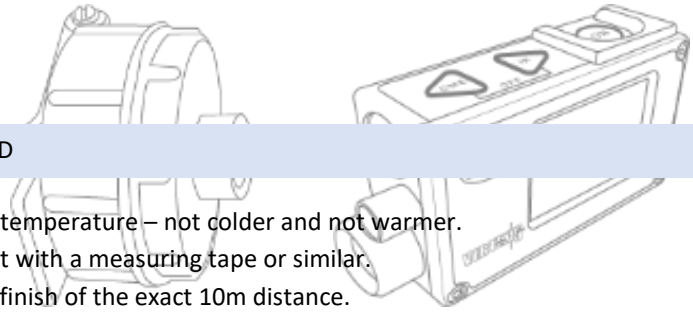
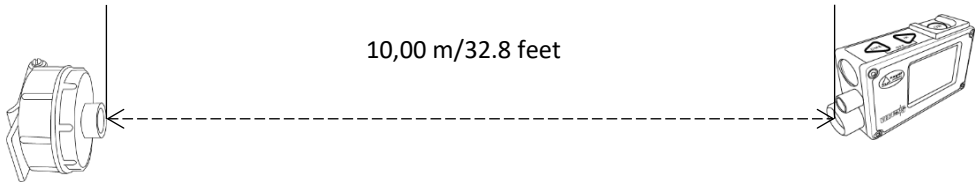
CALIBR.DME – CALIBRATING THE ULTRASOUND



1. Make sure that the instrument has ambient temperature – not colder and not warmer.
2. Measure the exact distance of 10m/32.8 feet with a measuring tape or similar.
3. Start the Transponder T3 and place it at the finish of the exact 10m distance.
4. Go to the zero point for the measured distance and aim the front of the Vertex 5 instrument to the transponder.



5. Start the vertex and go to **SETTINGS** and press ON go to **CALIBR. DME** and press ON to confirm. When the digits 10.00 are shown in the display, the calibration of the Vertex 5 ultrasound is ready.