

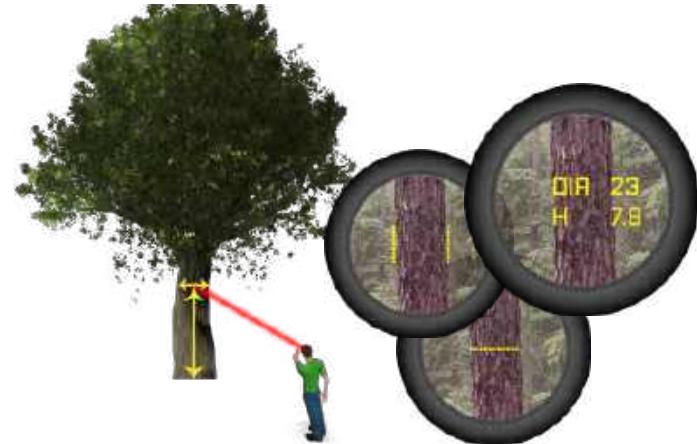
# Laser Geo 2

## EXTREME functionality- programmable

Rangefinder – Hypsometer – Bluetooth – Compass – GPS – USB – SSD disk

### The Laser Geo2 with outstanding capabilities

 **Bluetooth**  
LOW ENERGY (4.0) / SMART



Remote Diameter

- Remote diameter measurement capability
- Multi-program capability - Custom applications
- 3D vector - Trail mapping - Area measurement
- Height - Canopy measurement
- BAF (Basal Area Function) - Line Clearance, Hazard Tree Measurement

#### Features & Benefits

The LASER Geo 2's unique capabilities allow you to measure, map, process and store forest and field data in ways you never thought possible!

Long-range measurement with high-precision laser and integrated tilt and compass sensors for accurate 3D measurements. Results are displayed on an integrated heads-up display and an external graphical display.

#### Programmable

The GEO2 has a high-tech platform that is programmable and can be adapted to the customer's needs. In addition to selecting a standard application, the user can also select other application modules to meet their functionality needs. Different application modules can be stored in GEO 2 for later selection in the field in real time. The range of application modules is large and growing.

- **GPS & Compass**
- **Distance up to 700 meters or 2000 feet**
- **Angle - degrees 360°, degrees 400 and %.**
- **Data Storage - CSV and Google Earth KML files**
- **Communications - USB for file transfer - Bluetooth 4.0 and IR**
- **Heads-up display and graphical main display**
- **Built-in Li-ion battery - USB for charging**
- **IP67 Environmental Rating**

#### GPS and Mapping

The built-in GPS receiver allows you to tag data with coordinates with the push of a button.

Data is stored on a built-in SSD memory and is available for further processing via a standard USB connection to any PC or Apple computer.

Files can be opened directly in your favorite GIS or spreadsheet application. Complex operations such as area measurement, 3D target mapping, and trail mapping have built-in capabilities.

The 3D vector function allows you to measure remote targets such as canopy width.

The instrument can also connect to an external Bluetooth GPS and use its coordinates for better accuracy.



Monopod staff with foot bracket for steady aim

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## Heights

3-point, 2-point or 1-point direct measurement - choose your preferred method using the easy-to-follow menu system. A non-magnified dot sight helps identify single targets such as tree tops and power lines.

## Communication and energy

The built-in Bluetooth V4 Low Energy transceiver enables long-range wireless data transfer to your favorite handheld device. The devices have a built-in, long-lasting Li-Ion battery and are charged via the included mini-USB interface..

## Upgrades and customizations

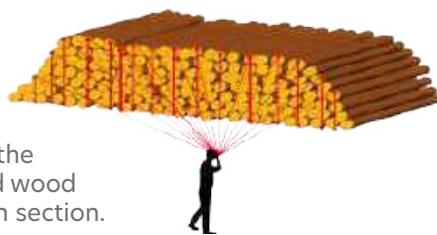
New features can be implemented and custom applications may be available to meet your unique needs. Contact us for details.

## 3D Pile

Expand the capabilities of your Geo2's laser with the 3D Pile application, designed specifically for log and stockpile inventory. Measure the volume of any irregular stockpile or log pile.

### Log Pile Volume

The log pile may be divided into a number of sections during the measurement process.



Measure and record the pile width, length, and wood volume factor for each section.

Volume is calculated by section number, number of heights, calculated average height, and volume for each section.

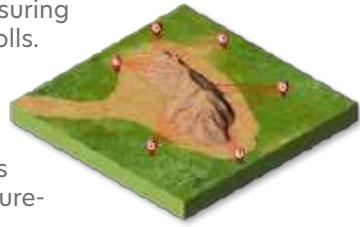
## Pile volume estimation

The 3D PILE is useful for measuring different types of piles and rolls.

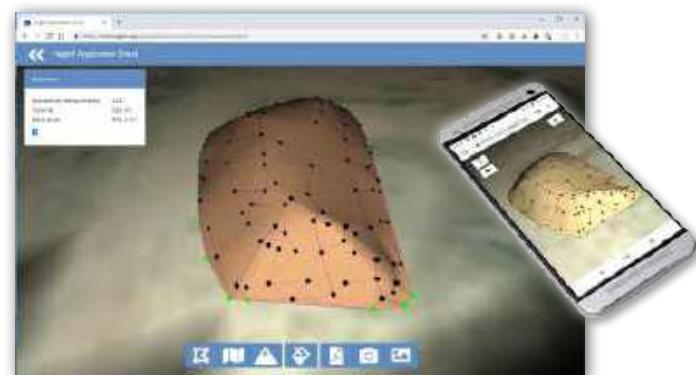
Measure the pile from multiple locations, creating a three-dimensional image.

The instrument stores heights and coordinates for all measurement points.

Data is saved in (csv) and (kml) formats and can be opened directly in Google Earth!



## Pits & Piles 3D



With our new cloud service, Pits and Piles 3D, you can now calculate, edit, save and print all your measurements.

This application can be used on any platform, all you need is access to the Internet and a web browser.

This service can be accessed by visiting and registering on our Haglöf Application Cloud website at: [www.haglof.app](http://www.haglof.app).

### Laser Geo2

Size: 93x63x72 mm/3.7x2.5x2.8".

Weight: 243 g/8.6oz.

Battery and consumption: Rechargeable Li-Ion 3.7V, built-in, approx. 2000 measurements. 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.

Communication: IR, USB 2.0/SSD Disk. Dual-mode Bluetooth BR/EDR. Bluetooth low energy V4.2 (LE) and Classic connectivity. Spp (serial profile), pin code 1234.

Temperature: -20° to +45° C/ -4°F-113°F.

Height: 0-999 m/ft. Resolution height: 0.1 m/ft.

Angle: -90 ° - 90 °. Unit: Degrees 360°, Grads 400° and %. Resolution: 0.1 °. Accuracy: 0.1° typical.

LASER: Distance: 46cm/1.5ft - 700m/2000ft depending on target. Accuracy: 4cm/0.1ft typical. Resolution: 0.1m/ft (0.01m/0.1ft in DME-mode).

Area 0<area<5000m2 or 0.5ha<area<10000ha 0<area<20000f2 or 0.5acre<area<10000acre

Remote diameter Sight range: 0-46 positions Max diameter: 47" at 39ft / 98cm at 10m Resolution: 0.1"/ 0.1cm Accuracy: 0.5" at 39ft / 1.2cm at 10m

### GPS

33-channel high sensitivity receiver. Supports GPS, Glonass, Galileo, QZSS. Built-in real time correction w/ SBAS (EGNOS, WAAS, MSAS, GAGAN) Accuracy down to 2.5m/8.19ft in open terrain. Satellite position prediction for up to 3 days. Host Based multi-global navigation satellite system GPS(USA)/GLONASS(Russia)/Galileo(EU)/QZSS(JAPAN) SBAS Satellite-based augmentation systems: WAAS(US) EGNOS(EU) GAGAN (India) MSAS(Japan). Built-in self-generated orbit prediction (Faster TTFF up to 3 days), built-in jamming removing. Accuracy: Automatic position 2.5m CEP (circular error probable) (50% 24 hr static, -130dBm. Speed 0.1m/s (50%@30m/s).

### Compass

Azimuth compass 0-360°, resolution 0,1°, accuracy <1.5 RSME°.

### Classification:

MIL-STD-810E. Housing frame material glass filled poly carbonate, IP67, NEMA6, Laser class 1, 7mm (FDA, CFR21) Class 1m (IEC 60825-1:2001).

### Sight:

Dot aim 1 x magnification.

### Display:

External Graphic LCD 100x60pixels. Internal Heads-up display.

### Dataformat:

Nmea or Ascii. IR, Bluetooth BLE.

### File Format:

CSV and KML Google Earth.

### Memory:

2000 datasets, non-volatile.

### Other information, details, accessories etc.

Monopod staff with foot bracket for steady aim. Aluminum transport/storing case. See user manual for more details.

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