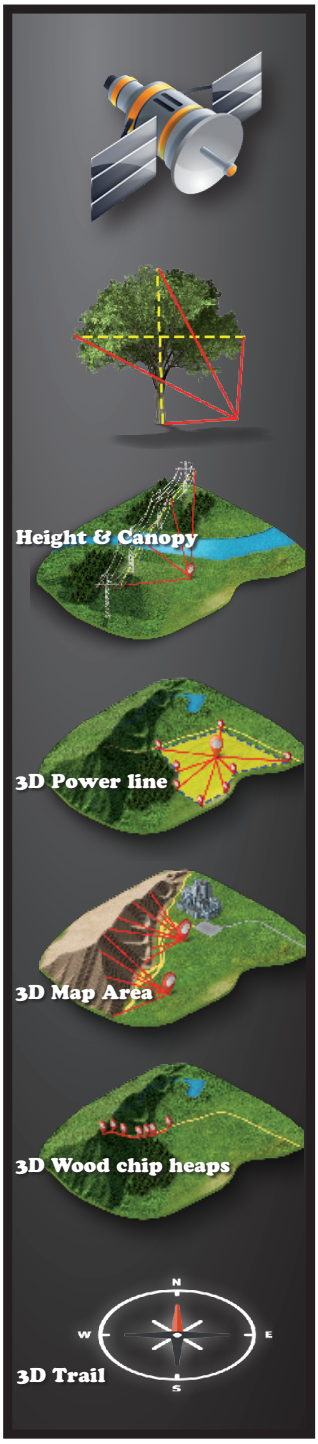
The Laser Geo NEW!



The Laser Geo is a great choice of instrument for control work in utility industry. Hazard trees, border trees and safety distances can be measured and evaluated for accident prevention and to secure power lines, railways and roads. With storing and processing capacities, special functions can be ordered and implemented for targeted user areas.

The Laser Geo instrument is especially adapted for long range measurement in open areas. It measures distances from approx. 0.5m/1.5ft up to 700 meters/2300ft with high accuracy and reliability. The L5 instrument will be useful in many professions and work areas, for example forestry, survey, utility industry, control work and for accident prevention.

A 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. Includes heads-up display where results from your measurements are displayed in real-time and full USB connection for data transfer and customization of firmware.

The Laser Geo has a built-in Li-Ion rechargeable battery. An illuminated adjustable sighting cross improves sighting and spotting of individual lines and other objects.
The instrument is rugged with reinforced housing and display, water resistant, has a user friendly interface, fully integrated technology, and a built-in mounting point for camera-type monopod if a steadier aim is required for long range measurements.

- Complete, compatible and communicative instrument systems for various measurement applications in forest and field.
- Long range measurement with high quality precision laser.
- Measure, map, process and store in the instrument.
- Built-in GPS and 5-position numeric ID attribute to tag important data with coordinates.
- Built-in compass sensor allowing for accurate 3D measurements.
- USB 2.0/SSD Disk, connectivity to any PC/Apple computer.
- Excellent customization possibilities.
- Reinforced, shock- and drop proof, brightly colored instruments.
- Angle compensated/horizontal distance value and tilt sensor.
- Bluetooth®, IR and USB 2.0.
- Heads-up display and external graphic display.
- Non-magnifying red dot aim for easy spotting of tree tops.
- Adjustable laser filter: closest-farthest-strongest.
- Rechargeable built-in Li-Ion battery.
- Easy operation field adapted keypad and step-through menu.
- Perfect for wood and timber industry, utility applications, mapping...

All specifications are subject to change without prior notice.

The Laser Geo systems offer an array of possibilities and functions to get the measurement results you need in many different situations and surroundings.

The Laser Geo instrument is especially suitable for control measurements and utility work. Measuring on free-hand is not problem, since the instrument is well balanced and very light to carry. If a steadier aim is required, the instrument has a custom built-in mounting point to fasten a monopod (accessory, art no 15-103-1531). The illuminated red cross aim with a 1x magnification improves sighting and spotting of individual trees and thin lines. Built-in heads-up display helps you to maintain control over your measuring work.The built-in Li-Ion battery, that can be charged in the office, the car or with a portable power bank. The instrument is delivered with charging cable and in a special safety case for storing and transport. Portable power bank emergency charger, art. no. 13-600-1070. Car charger art. no. 13-600-1069.

Laser Geo/ Rangefinder/ Bluetooth/Compass/GPS/Usb 2.0/SSD disk

Features

Long range measurement with high precision laser and integrated tilt- and compass sensors for accurate 3D measurements. Results are presented in an integrated heads-up display and external, graphic display.

GPS and Mapping

The built in GPS-receiver and a 5-position numeric ID-attribute allow you to tag important data with coordinates with a simple key press. Your data is stored on a built in SSD drive and immediately available for further processing when connecting a standard USB 2.0 interface to any PC or Apple computer. No installation routines, converting software or special drivers are needed. Your field data can be opened straight in your favorite GIS- or spreadsheet application. Complex operations such as area measurement, 3D mapping of targets and Trail mapping have integrated functions that also are available to you without any external tools. The 3D Vector function allows you to measure horizontal targets such as canopy width.

Heights

3-point, 2-point or 1-point or direct measuring - choose preferred method to work with in the easy-to-follow menu system. A non-magnification dot sight helps you to identify individual targets such as tree tops and power lines.

Upgrades and customizations

New functions can be implemented and alternative firmware's for user specified utilization standard applications can be offered to you. Contact us for details and offer!

Communication and energy

The built-in Bluetooth V4 Low Energy transceiver enables long range wireless data transfer to your favorite handheld device. The instruments have built-in, long-lasting Li-Ion battery and charging is made with mini USB interface.

	LASER GEO Bluetooth®
Size:	**93x63x72mm/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, Bluetooth® class 2, Spp (serial profile), pin-code 1234, **USB 2.0/SSD Disk.**
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).**
Areal	**0<area<5000m2 or 0.5ha<area<10000ha 0<area<20000f2 or 0.5acre<area<10000acre**
GPS	**33-channel high sensitivity receiver. Supports GPS, Glonass, Galileo, QZSS. Built-in real tme 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:	Red dot aim 1 x magnification.
Display:	External Graphic LCD 100x60pixles. Internal Heads-up display.
Dataformat:	**Nmea or Ascii. IR, Bluetooth.**
File Format:	CSV and KML Google Earth.
Memory:	2000 datasets, non-volatile.
Other information, accessories etc.	**Monopod staff with foot bracket for steady aim. Aluminum transport/storing case. See user manual for more details.**

Art. no 15-103-1111 Laser Geo Laser package/set incl. instrument, charging cable with adapter. User instructions included. Aluminum transport case. Li-Ion battery built- in measuring instrument.

