

NOW INCLUDES DIGITAL COMPASS

LaserAce[®] 3D Hypsometer



SIMPLE 'ALL IN ONE' HEIGHTING, DIAMETER & LOG VOLUME INSTRUMENT WITH DATA STORAGE



world leading laser measurement technology





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A SIMPLE 'ALL IN ONE' HEIGHTING, DIAMETER & LOG VOLUME INSTRUMENT WITH DATA STORAGE
- NOW COMES WITH DIGITAL COMPASS

LaserAce[®] 3D was designed to help foresters easily and efficiently measure the height, diameter (at any height), simple or 'taper' log volumes and tree lean.

It incorporates a pulsed laser distance meter and an inclinometer. The 5x sighting scope allows the operator to aim and measure range and vertical angles to passive targets up to 150m (500") away with 5cm (2") accuracy. A range of 600m is attainable to reflective targets.

The unit has been designed for simple, effortless use with point and shoot technology. There is no need for bulky accessories, targets or responders. It is a simple



'All in One' instrument affording users considerable cost saving on field operations.

The palm-sized LaserAce[®] 3D is class 1 eye safe (FDA/IEC) and weighs only 400g / 14oz.

Measurements and calculations are displayed on a custom made back lit LCD panel. Data output is via Bluetooth[®]. The LaserAce[®] 3D can be configured to interface to a range of data loggers, palm and pen computers.

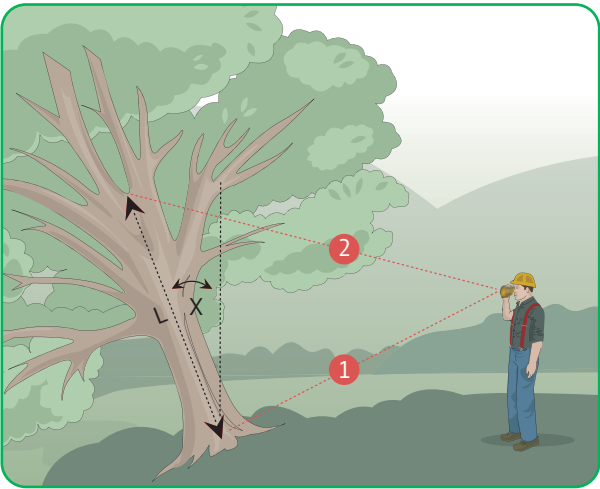
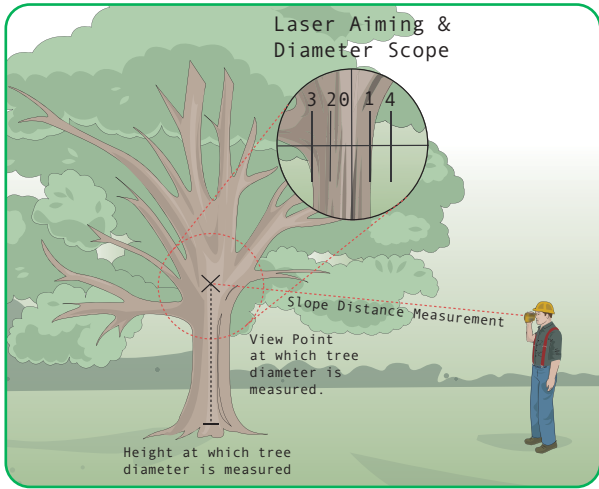
Benefits

- Contactless measurement of objects
- Height, vertical and horizontal distances, diameter lean and log volumes - An 'All in One' unit
- Little or no training required - novice or expert use.
- Reduces survey times
- No need for targets
- One person operation
- On board data storage - up to 2000 profiles
- Bluetooth[®] download facility
- Lightweight and portable





What can LaserAce® 3D do?

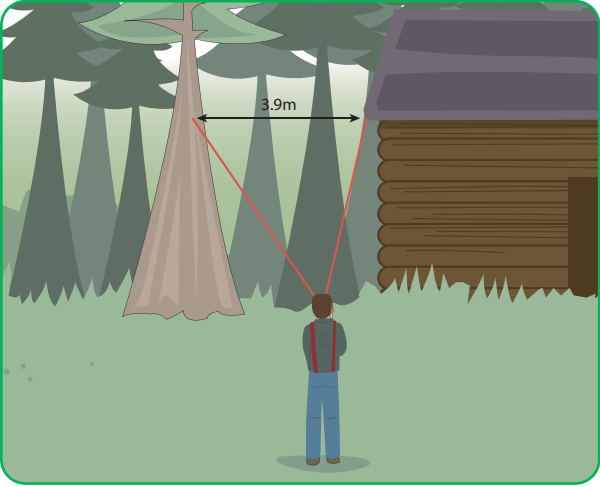
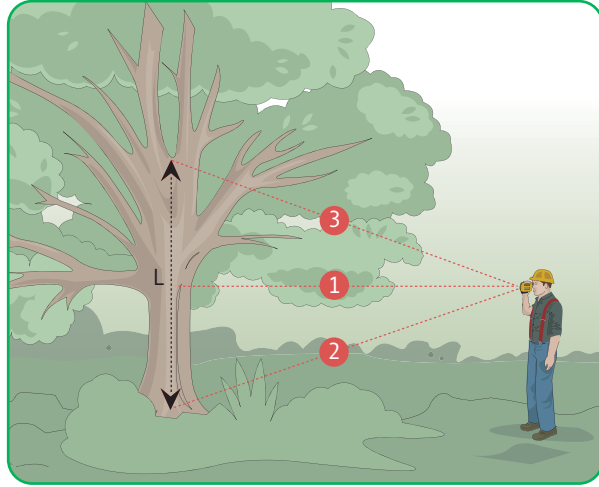


Measure Ranges

LaserAce® 3D will measure ranges up to 150m/ 500'. The unit also incorporates specially designed (x 5 magnification) numbered stadia hairs for diameter measurement.

2-point height & lean/diameter/volume

This mode is used for remote calculation of height and distance between two successive points. Just point and shoot at the base of the tree then at the top of the tree. The unit shows the height, diameter and volume. This mode will also calculate the tree's lean using the angle difference between the points.



3-point height / diameter / volume in scrub

Uses one laser measurement to the middle of the tree then two-angle measurements. This method is ideal if scrub is an issue at the base of a tree (or the canopy is thin).

Measure canopy spread / horizontal angle

LaserAce® 3D NOW comes with compass function allowing you to measure canopy spread & horizontal missing distances.

Other modes/options

Brush filter mode (for use with a target). If you require a range to a specific tree, you can activate the 'brush filter mode'. This mode enables the laser to only pick up reflective target. Therefore you can measure to a specific tree without picking up other measurements.

Auto Power. Auto Power can also be selected to be on or off.

Technical Specifications

- Class 1 eye safe (FDA/ IEC) laser
- 150m/ 500' reflectorless range (no reflective target)
- 600m/ 2000' range with reflector (reflective target used)
- Accuracy 5cm/ 2"

Environmental

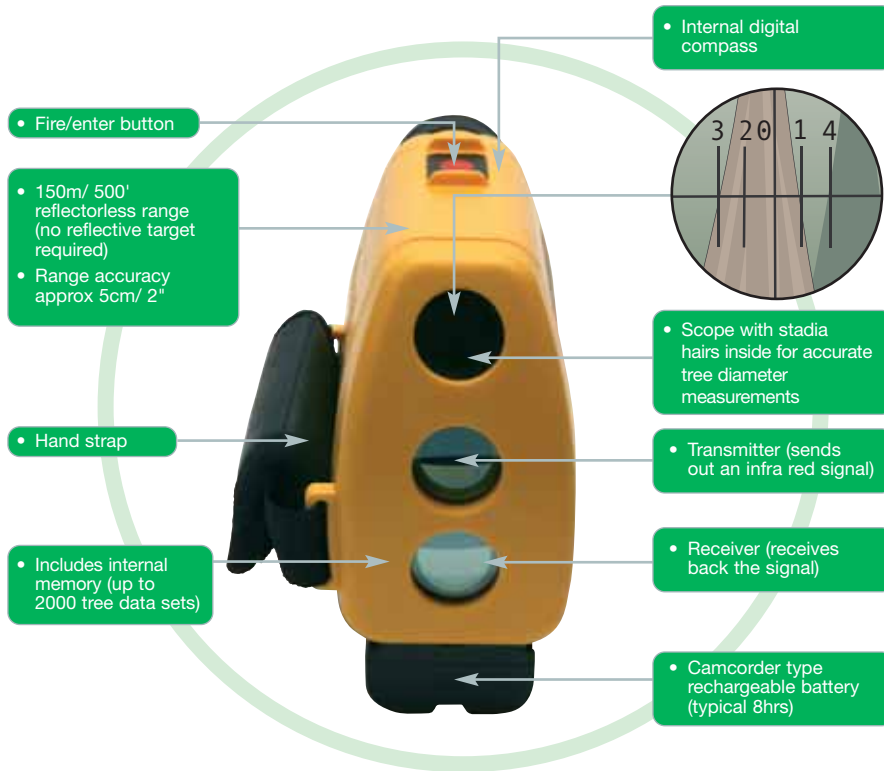
- Water & dust resistant (IP63)

Sensor

- Digital Inclinometer
- Range +/- 70° from horizontal
- Accuracy 0.2° at level

Power & Dimensions

- 'Camcorder' type rechargeable batteries (typical 8hrs) (charger supplied)
- Weight 400g/ 14oz
- Size: 110mm L x 100mm W x 50mm H (4.3" L x 3.94" W x 1.97" H)



For more information on the LaserAce® 3D:



Certificate Number: 160263
BS EN ISO 9001 : 2000

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Compass (option)

Characteristics	Conditions	Min	Type	Max	Units
Heading accuracy	At level		2.0	3.0	+/- deg P.P
Heading Res	Output data		0.1		Degrees
Tilt Range	From level		+/- 70		Degrees

CLASS 1
LASER PRODUCT



Information contained is believed to be accurate. However, no responsibility is assumed for its use. Technical information is subject to change without notice.

9001/2000 Certified

