

NOW INCLUDES DIGITAL COMPASS

LaserAce[®] 3D (SURVEY)



HANDHELD REFLECTORLESS LASER MEASUREMENT SYSTEM



world leading laser measurement technology





LaserAce[®] 3D SURVEY

HANDHELD REFLECTORLESS LASER MEASUREMENT SYSTEM

- NOW INCLUDES DIGITAL COMPASS

MDL's new LaserAce[®] 3D Survey has been designed to gather data more accurately and efficiently.

It enables the professional surveyor, engineer or layman to measure range, height, slope, missing distance, subtended distance and slopes/ranges to cables with 'point and shoot' simplicity.

It incorporates a pulsed laser distance meter and an inclinometer. The x5 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 (1,000') is attainable to reflective targets.

An Active Mode allows precise distance measurements to reflective targets (e.g. foil) in areas where nearer

objects (such as scrub or undergrowth) might interrupt the laser beam. A Rapid Fire mode enables measurement to 'hard to hit' targets such as overhead cables as small as 3mm/1.2" diameter.

The palm-sized LaserAce[®] 3D Survey 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 Bluetooth[®]. The LaserAce[®] 3D Survey can be configured to interface to a range of data loggers, palm and pen computers.



LaserAce[®] 3D Survey

simple, fast and effective surveying for a variety of applications

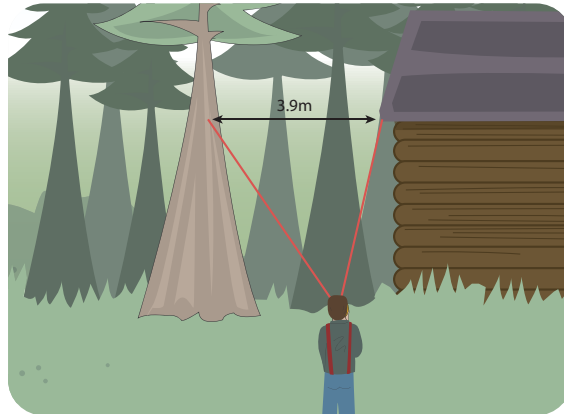


Benefits

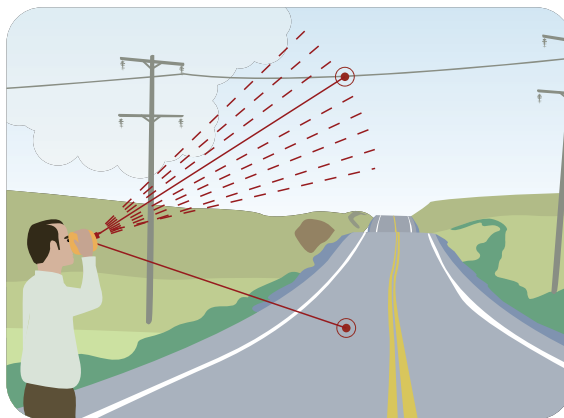
- Remote heighting of buildings
- Cable clearances
- Easily measure gradients & slopes
- Assist in safety
- Gives real time calculations
- Direct readings, no external computers required
- Lightweight, portable & bright
- No cables - wireless communication
- No need for reflective targets (reflectorless)
- Novice or expert use
- Single integrated unit
- Reduces survey time



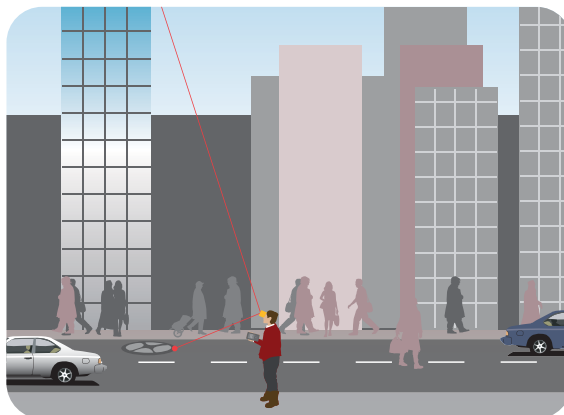
Data can be downloaded direct to 3rd party software packages.



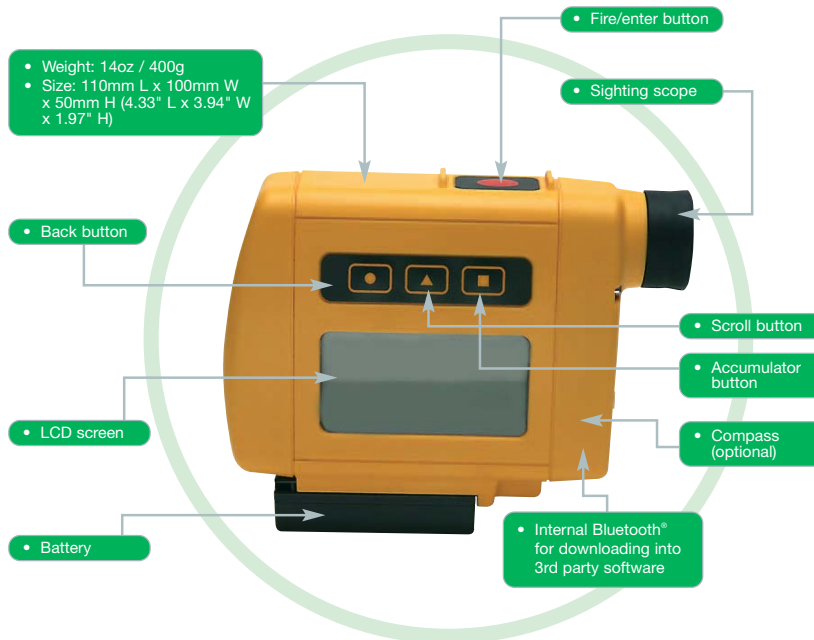
LaserAce® 3D NOW incorporates a compass allowing the user to measure distance between objects.



LaserAce® 3D incorporates a cable finding mode. The user shoots the road then scans up until a height reading is given of the cable.



Building surveys - measures distances and heights to remote objects.



Technical Specifications

- Class 1 eye safe laser (FDA/ IEC)
- 150m / 500' reflectorless range (no reflective target)
- 600m / 1970' range with reflector (reflective target used)
- Accuracy 5cm / 2"

Sensor

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

Environmental

- Water & dust resistant (IP63)
- Operating temperature -10°C to +45°C

Power & Dimensions

- 'Camcorder' type rechargeable batteries (normal use 8hrs) (charger supplied)
- Weight 400g / 14oz
- Size: 1100mm L x 100mm W x 50mm H (4.33" L x 3.94" W x 1.97" H)

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

For more information on the LaserAce® 3D Survey:



Certificate Number: 160263
BS EN ISO 9001 : 2000

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9001/2000 Certified

