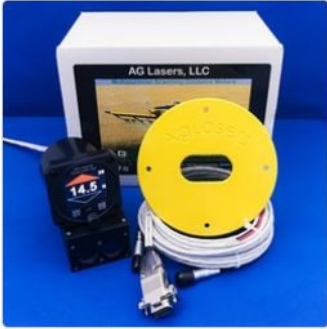




Laser Altimeter for Crop Spraying Aircraft



Stand Alone System
Vega Display



Stand Alone System
Kantrak



Integration System



Vega Display
Upgrade Kit



Vega Display Cable



Kantrak Display Cable



Satloc



Extension Cable

Integration Cable

The laser units are compact, class 1 eye safe, rugged, laser distance range finders which can be incorporated to function as an altimeter. Using time-of-flight technology, it measures the time taken for a very short pulse of infrared laser light to travel to a surface (ground or tree tops) and back. The distance to the target is calculated from the time taken to make the round trip.

The display in the cockpit allows the user to set the offset height for their aircraft (for example if the laser is mounted in the wing). Then the optimum height is programmed into the unit and a tolerance set. The display gives you the current aircraft height as well as an indication if you are above or below your "ideal" spraying zone.



Laser Altimeter for Crop Spraying Aircraft

Continuous, Real-Time, Ultra-Accurate Height Measurement

Wave Length (nm)	905
Beam Divergence (mRad).....	2.5 x 0.2
Reflectorless Range (m)	0.5 to 150
Reflectorless Range (ft)	2 to 500
Max Range (m)	150
Max Range (ft)	500
Accuracy (cm)	5
Resolution (cm)	1
Rep Rate (Hz)	9 to 1000
Eye Safety	Class 1
Power (V)	9 to 24
Protocol	RS232
Operating Temp (°C)	-10 to +60
Protection Class	IP67
Physical Construction	Black Anodized Aluminum
Dimensions (mm)	108 x 64 x 41
Dimensions (inches)	4.25 x 2.5 1.625
Weight (g)	328
Weight (oz)	11.6

OTHER APPLICATIONS

- *Terrain Profiling*
- *Aerial Photography*
- *Search and Rescue*

Standard System Includes:

- 1) Laser Module*
- 2) Mounting Bracket (replaces an existing inspection plate)
- 3) Cables
- 4) Display
- 5) Installation and User Manual

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