

AgLaser

Monitor Airplane Altitude in Flight



AgLaser units are compact, 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.

These altimeters can interface with Hemisphere GPS products (IntelliStar and M3). Information is recorded to the log and can be viewed on the lightbar or display.

Other applications include:

- Continuous logged height information to determine distance over canopy for each swath
- Terrain Profiling
- Rate of decent monitor to reduce hard landings
- Height change indicator for helicopters landing on moving vessels



Standard kit includes: laser module*, mounting bracket (replacing one of the existing inspection plates), cables, installation and user manual. Alternative kit includes display. (*Manufactured under license from Measurement Devices, Ltd.)

Specifications

Wavelength:	905 nm	Protocol:	RS232
Beam Divergence:	2.5 x 0.2	Operating Temp:	10 °C to +60 °C
Reflectorless Range:	0.5 to 150 m	Protection Class:	IP67
Reflectorless Range:	2 to 500 ft	Physical Construction:	Anodized Aluminium
Max range:	150 m	Dimensions:	108 x 64 x 41 mm (4.25 x 2.5 x 1.625 in)
Max range:	492 ft	Weight:	328 g (9.2 oz)
Accuracy:	5 cm		
Resolution:	1 cm		
Rep rate:	9-to-1000 Hz		
Eye safety:	Class 1		
Power:	9 to 24 V		

**** Not for use over water ****

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