- < 100 grams' payload
- USB rechargeable
- > 2 hours battery life
- Secured 868 MHz connection

Airobot Ranger Altimeter

Real-time altitude information on any mobile device

120m range on solid ground

Unaffected by barometric pressure changes

The Airobot Ranger Altimeter is a must-have tool for **inspections of tall structures.**

The Ranger Altimeter provides accurate altitude information for inspections of towers, chimneys, cellular towers and other infrastructure.

The sensor works in sunlight or dark conditions and is not affected by speed, wind, changes in barometric pressure, noise, ambient light or air temperature.

Independent Add-on module

The independent module can be easily attached to the landing gear of the UAV without interfering with it's electronics.

Open ground station and iOS/Android app

Everybody involved in the operation can log in on the ground station to receive realtime situational feedback using their smart devices. Besides visual feedback, the system also offers audio feedback via voice commands; beep tones and adjustable target zones.

With each image taken, the software can log the height above the terrain of every image.

Eye Safe

The Airobot Ranger AltiMeter uses a laser based sensor that emits ionizing laser radiation. The level of the laser emission is Class 1M which indicates that the laser beam is safe to look at with the unaided eye, bust should not be viewed using binoculars or other optical devices at a distance of 15meters?

Technical Details	
Range	
Solid Ground	120m
Water	40m
Resolution	1 cm
Accuracy	10cm
Beam divergence	0.02°
Laser class	1M
Operating temperature	0°-40°C
Weight	<100gr

www. airobot.eu - contact@airobot.eu

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Turning drones into flying robots

Airobot, your drone innovation partner

Airobot turns drones into flying robots to inspect difficult-to-reach areas or obtain a bird's-eye view while meeting the professional user's needs for safety and quality, and increasing the overall ROI. We create the necessary technology and integrate state-of-the-art collision avoidance, navigation and positioning technology to turn drones into flying robots.

When creating flying robots for close range inspections, we add active or passive collision avoidance and accurate georeferencing to any drone. The drone can then be used to produce calibrated images in which details can be measured with mm-level accuracy. For a flying mapping robot, we add accurate RTK GNSS technology to the drone to create centimetre-accurate maps and terrain models that do not require ground control points.

We supply major drone manufacturers with either individual components or performance packages for use in building their own flying robot specifically adapted to their inspection and/or mapping requirements. Airobot also assists companies to successfully integrate drones into their operations and supports them in this. We analyse our customers' needs, define the best solution, select the most suitable hardware, combine it with our technology and coach the team during implementation.

In short, we are the technology innovation partner for many drone operators: we supply them with advanced technology to enable them to better provide services to their customers..

Who is behind Airobot?

Airobot is a young, dynamic technology company based in Hasselt, Belgium. We started in 2015 with the ambition of providing technology to drone operators and manufacturers to make operations with unmanned aircraft faster, safer and more reliable. The company is managed by Kristof Beenders (technology & innovation) and Jan Leyssens (sales and business development), who both have many years of experience with unmanned systems, and professional electronics and software development.

We don't believe in "one-size-fits all" solutions. Every business and application is different, so the technology should be adapted to the needs of our customers rather than the reverse. Our approach focusses on listening to the needs of our customers, and nothing is more important to us than delivering an Airobot that does the work required. For this, we use the best components available on the market and add our own technology and magic. We work closely with our customers, both in the office and in the field, until they are happy with the performance of our products

Airobot—Kempische Steenweg 311/1.03—3500 Hasselt, Belgium

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