

LR-D1 RADAR ALTIMETER

LONG RANGE - 500m



PRODUCT OVERVIEW

With a robust enclosure, the LR-D1 radar altimeter is ideal for most heavy-duty or tactical UAS applications. The LR-D1 provides reliable measurements at high altitudes up to 500m, along with a large bandwidth, which provides even greater precision required by industrial UAVs.

APPLICATIONS

- Tactical
- Aerial Target
- Forestry
- Over Water Missions
- VTOL/eVTOL
- Purpose Built Utility



ALL-WEATHER

Ainstein's radar-based altimeters ensure the utmost reliability and precision in all-weather, any light, and every time.



HIGH SPEED TESTED

The LR-D1 has been tested to speeds of up to 200 m/s, continuing to offer the same reliable performance.



PURPOSE BUILT / RUGGED

The LR-D1 is tested to a sine vibration of 5gs and a half sine shock of 20gs. Additionally, its IP67-designed enclosure makes it compatible with all environments.



PRODUCT SPECIFICATIONS

Frequency	24 GHz
Field of View	43° Azimuth 30° Elevation
Altitude Range	0.7 - 500 m
Altitude Precision	±0.365 m
Power Consumption	<11W
Operating Voltage	10-30 V
Update Rate	40 Hz
Bandwidth	250 MHz
Operating Temperature Range	-40°C ~ +60°C
Dimensions	112mm x 102.5mm x 29mm
Weight	300g
IP Rating	IP67
Interface	RS232 & RS422

