



WASP-200 LRF

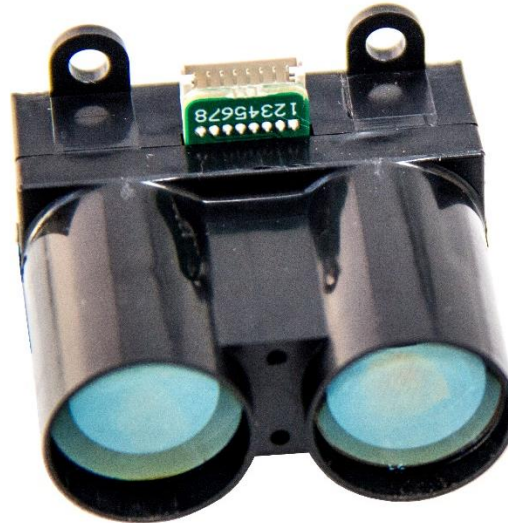
200m Compact Laser Rangefinder



Product Datasheet (Part Number CU1-001)

Attollo's WASP series of rangefinders are designed to measure ranges at a rate of up to 10,000 points per second with remarkable accuracy and precision in an ultra-tiny package. Designed with a host of advanced features, the WASP series of rangefinders are well-suited for a number of applications including:

- Robotics and Drones
- Scanned LADAR
- Sense and Avoid
- Industrial Automation
- Height & Distance Measurements
- Maritime Operations



Class 1 Laser Product



Features include:

- Single-shot laser ranging for fast scanning and moving platforms
- Programmable burst mode averaging
- Class 1 Laser Product
- IP 67 option
- Connector options including pigtails
- Durable molded ABS plastic housing
- Integrated back or front mounting

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WASP-200 LRF	
Specification / Feature	CU1-001
Laser Eye Safety	Class 1 Laser Product
Range Performance (typ.) (Scattering Sunlit Target - typ.)	0.2m to 175m - 18% reflectivity 0.2m to 300m - 80% reflectivity
Maximum Range	350 meters
Accuracy	< 10 cm
Resolution	1 cm
Update Rate	Single shot to 56 Hz
Wavelength	905 nm
Beam Divergence	8 mrad x 1 mrad
Optical Aperture	18 mm
Input Voltage	5V to 16V
Current @ 1 KHz	< 75mA @ 5V Operating Voltage
Inrush Current	< 100mA @ 5V Operating Voltage
Connector	8 pin Hirose Connector or Pigtail
Communication Interface	UART
Dimensions (L x W x H)	44 x 20 x 42 mm ³
Weight	26 grams
Operating Temperature	-40 to + 60 C (-40 to 140 °F)