

905nm LASER RANGEFINDER

OVERVIEW

An ultra-high-speed laser rangefinder module that operates at a precise wavelength of 905±5nm, ensuring safety for the human eye. Capable of measuring distances from 5m to 1000m with an accuracy of ±1m and a resolution of 0.1m, this module delivers outstanding performance and precision.

Standout features include a rapid measuring frequency of 4.5KHz and a quadrant measurement rate of ≥98%, demonstrating its swift ranging capability and stable performance. The module also excels in compactness, measuring just Φ 24x42mm and weighing a mere 19g ± 5g (or 23g ± 5g with an indicator laser), and is easily customizable to suit your needs.



TECHNICAL SPECIFICATIONS

Project	Argument	Explain
laser wave length	905±5nm	Human eye safety
measuring range	5m ~ 1000m	Measure the forest for 500 meters
certainty of measurement	±1m	
Measurement resolution	0.1m	
measuring frequency	4.5KHZ	
Quadrant measurement rate	≥98%	
service voltage	3.3V±0.3V(Standard)	
Communication type	TTL3.3V	
Baud rate	456000 bps	
Optical receiving aperture	20mm	
Structural material	made of aluminum	
size	Φ 24x42mm	customizable
weight	19g ± 5g (23g ± 5g with indicator laser)	customizable
Humidity of working environment	-20°C~50°C	