

1535nm LASER RANGEFINDER

OVERVIEW

As a high-performance pulse laser rangefinder, this model possesses a range of unique features: an extensive measurement range, compact dimensions, lightweight design, rapid response time, and exceptional distance measurement accuracy. It also boasts multi-target detection capability, playing a crucial role in complex environments. This eye-safe laser rangefinder is essential in applications such as firearm aiming and aircraft pods, capable of measuring distances of over 3000 meters for vehicle targets and over 1500 meters for human targets. Its outstanding measurement range and accuracy highlight its exceptional performance in demanding conditions.



TECHNICAL SPECIFICATIONS

Project	Technical Parameters	
Laser wavelength	1.54μm	
Ranging capability	20m~3000m	2.3m×2.3m vehicle target, 0.3 diffuse reflectance, visibility ≥5000m
	20m~6000m	Energy intensity ≥8000m, 0.3 large reflectivity target
Voltage of operation	4.5V~16V	
False alarm rate	≤1%	
Quasi measurement rate	≥98%	
Minimum geodesic range	20m	
Standby current	≤0.01A (8V power supply)	
Divergence angle	≤0.5mrad	
Accuracy	0.25m~±2m	
Frequency of operation	1 Hz, 5 Hz, emergency 10Hz	
Ranging logic	First and last target selection	
Output interface	RS422	
Storage property	12 年 Storage life 12 years	
Dimension	48×36×26	
Weight	44.5g	
Operating temperature	-40°C~+ 55°C	
Temperature of storage	-50°C~ +85°C	