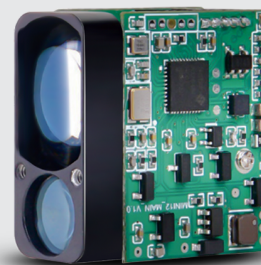


905nm 1km Laser Ranging Module

LSP-LRS-1000

Product Description:

The LSP-LRS-1000 is a compact, coin-sized laser ranging module with a 905nm eye-safe laser diode. It's lightweight at 10g, easy to integrate, and capable of distances up to 1000m. Ideal for drones, handheld outdoor devices, and applications in sectors like aviation, law enforcement, rail, power, water management, telecom, environment, geology, construction, fire services, agriculture, forestry, and outdoor sports.



- Laser Ranging
- Targeting

Technical Data

Parameters	Value	Remarks
Laser Wavelength	905nm	Eye-safe
Measurement Range	5~1000m	
Measurement Accuracy	±1m	
Measurement Resolution	0.1m	
Measurement Frequency	3Hz	
Precision Rate	≥98%	
Laser Divergence Angle	≤6mrad	
Supply Voltage	DC 5V	
Operating Power Consumption	500mw	
Communication Type	UART (TTL 3.3V Standard)	Customizable
Baud Rate	9600 bps	
Structural Material	Aluminum-made	
Dimensions	< 25×25×12mm	
Weight	10±0.5g	Customizable
Operating Temperature Environment	-20°C~50°C	Customizable