Long distance laser rangefinder

SKU:LRF1064-1570-20

This long-distance laser rangefinder adopts full-digital receiving and amplification processing technology to collect echo waveforms in real time; by analyzing the waveforms, it can calculate the working atmosphere environment of the rangefinder, target characteristics and other information, and realize precise gain control and noise processing. The instrument works to the optimal state in real time.

The technical features of the fully digital range finder are: the measurement distance is 20%-30% higher than that of the conventional range finder, it can process multiple echo signals and select the output distance information, and it has strong adaptability to different use environments.

MAIN INDICATORS

Wavelength	1064nm&1570nm
Beam divergence	0.5 ~ 1.2 mrad optional
Odometry	≥ 20Km (atmospheric visibility 20Km)
Minimum range	≤ 500m
Ranging accuracy	± 1m
False alarm rate	≤ 2%
Repeat frequency	0 ~ 20Hz (Accept higher working frequency customization)
Cooling method	air cooled
Powered by	24VDC
Volume	≤ 320mmX200mmX104mm
Weight	≤ 8Kg
Operating temperature	-35 degrees ~ 50 degrees
Reliability test	3g vibration, 20g shock, rain, 24 hours aging
Installation method	The positioning card slot is installed on the bottom of the casing, and the parallelism with the optical axis is better than 0.01 degrees