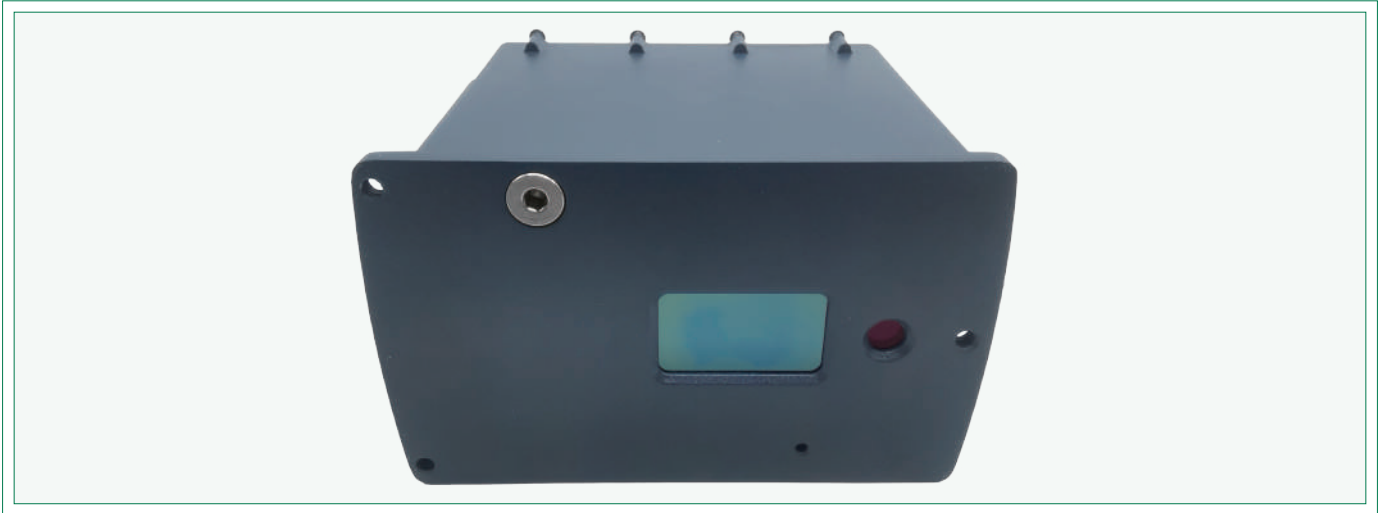


IVY-LHM-1535D

Laser Clearance Monitoring Lidar



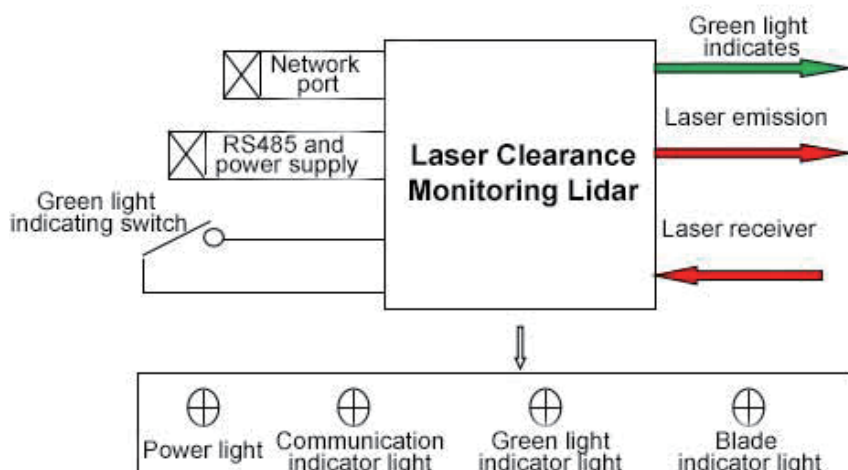
DESCRIPTION

IVY-LHM-1535D Laser Clearance Monitoring Lidar features with compact design, low power consumption, Multi-Lidar correlation detection, wide range of operating temperature, and low visibility discrimination, it is ideally suited for operation in harsh environmental conditions. During the operation of the wind turbine, IVY-LHM-1535D can real-time monitor and measure the clearance between the blade tip and tower. When the minimum clearance value reached the setting, it can trigger an alarm and emergency shutdown through the monitoring system of the blade tip clearance, it is of great significance to the safe operation of the wind turbine.

FEATURES

- Eye-Safe
- Low Visibility Discrimination
- Fully sealed, high reliability, with pollution warning function
- Multi-Lidar Correlation Detection
- High Peak Power Measurement
- High Precision Measurement
- Compact Design & Easy Integration
- ON/OFF Remote Control

PRODUCT SCHEMATIC DIAGRAM



APPLICATION SCENE

- Rain & Snow Weather
- Low Visibility
- Marine Environment

IVY-LHM-1535D

Laser Clearance Monitoring Lidar

SPECIFICATIONS

Parameters	IVY-LHM-1535D
Laser Source	1535nm, Class 1, Eye safe
Spot Size	40*40cm (100m)
Weight	1kg
Supply Voltage	24V
Measurement Accuracy	±0.3m@100m
Detection Distance	≥300m
Range Resolution	0.1m
Control	Turn on/off Laser Clearance Monitoring Lidar automatically
Output Interface	RS485, Network interface
Lightning Protection Level	CLASS- II
Communication Frequency	≥2KHz, Adjustable
Radiation Frequency	≥2KHz, Adjustable
Return Data	Directly Measure Distance, Return Light Intensity, System Status
Operating Temperature	- 40°C~ +65°C
Storage Temperature	- 45°C~ +70°C
Operating Humidity	0%~100% RH
Aiming Beam Accuracy	Deviation of ±0.1°to Measuring Beam
Aiming Beam Spot	It is clearly visible in 200 meters under sunlight
Data Storage	Data Output, Real-time Data, Network Time Synchronization, 115200 baud

STRUCTURAL DRAWING (In mm)

