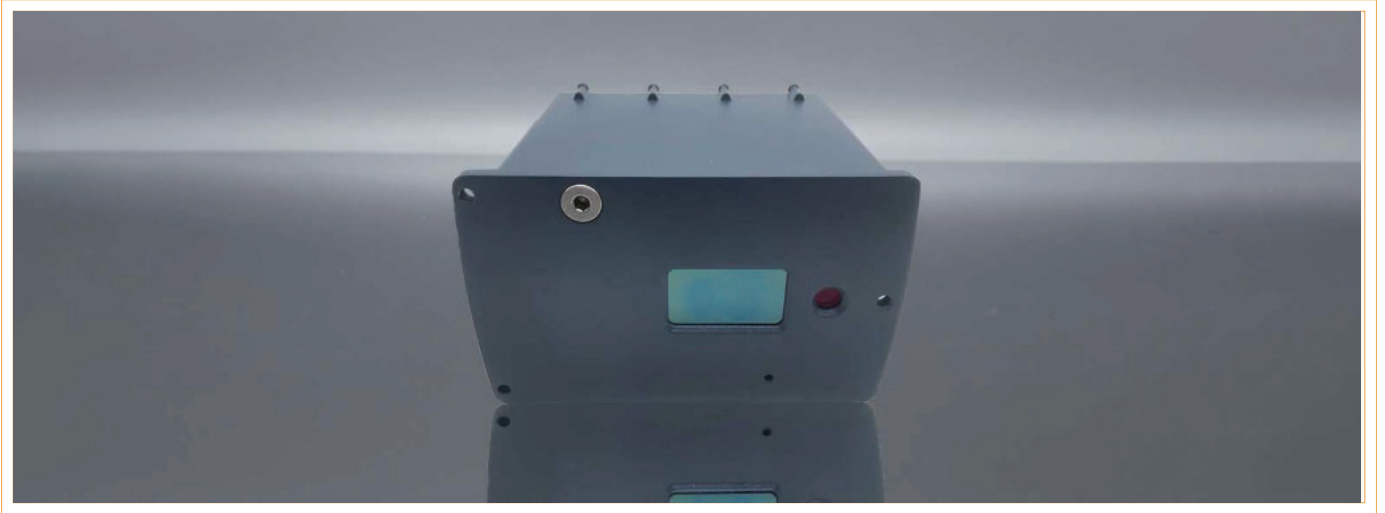


UL-LHM-905D Laser Clearance Monitoring Lidar



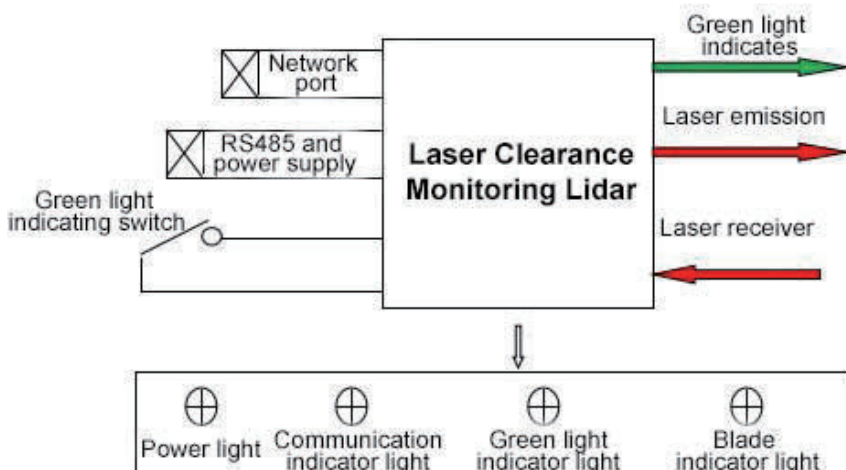
DESCRIPTION

The UL-LHM-905D Laser Clearance Monitoring Lidar boasts a compact design, lightweight construction, high precision, and Multi-Lidar correlation detection, making it suitable for operation in the most extreme conditions. It can monitor and measure the clearance between the blade tip and tower of a wind turbine in real-time during operation. If the minimum clearance value reaches the set limit, it can trigger an alarm and emergency shutdown through the blade tip clearance monitoring system, thereby ensuring the safe operation of the wind turbine.

FEATURES

- High Precision Measurement
- Fully sealed, high reliability, with pollution warning function
- Multi-Lidar Correlation Detection
- High Repetition Rate Measurement
- Compact Design & Easy Integration
- ON/OFF Remote Control

PRODUCT SCHEMATIC DIAGRAM



APPLICATION SCENE

- Rainy and snowy weather
- Low visibility

UL-LHM-905D

Laser Clearance Monitoring Lidar

SPECIFICATIONS

Parameters	UL-LHM-905D
Laser Source	905nm, Class 1, Eye safe
Spot Size	80*40cm (100m)
Weight	1kg
Supply Voltage	24V
Measurement accuracy	±0.3m@100m
Detection Distance	≥200m
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
Operation Temperature	- 40°C~ +60°C
Storage Temperature	- 45°C~ +65°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)

