



MOLA B300 All-fiber doppler wind lidar

Performance

MOVELASER

Specification

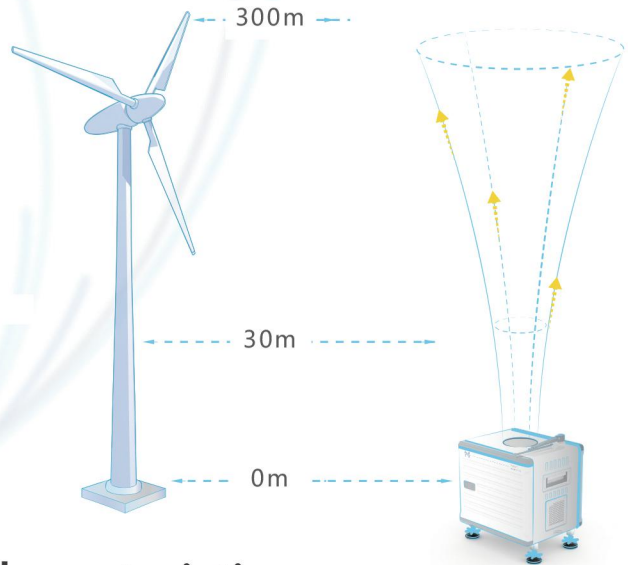
Range	30-300 m
Height Level	12
Sampling Rate	1 Hz
Speed Accuracy	0.1 m/s
Direction Accuracy	1°
Speed Range	0~75 m/s
Direction Range	0~360°
Measure Principle	Pulsed Laser Coherent Doppler
Angle	28° light angle

Data

Data Output	<ul style="list-style-type: none"> ▪ Horizontal Speed ▪ Vertical Speed ▪ Direction ▪ Statistic Data ▪ Time ▪ GPS ▪ THP
Format	ASCII
Storage	128 GB 5 Years @ 1 Hz
Communication	<ul style="list-style-type: none"> ▪ RJ45 Cable ▪ Cellular (2G/3G/4G) ▪ WiFi

General

Power Supply	<ul style="list-style-type: none"> ▪ 18-32VDC ▪ 100-230VAC
Power Consumption	70 W (nominal)
Dimensions	500*500*602 mm ³
Weight	46kg
Temperature Range	-40°C~50°C
Humidity Range	0% to 100%
Protection Rating	IP67 (Housing)
Compliance	CE



Characteristics

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|-------------------------|------------------|
| Non-contact Measurement | High Precision |
| Data Security | Large Range |
| Flexible installation | All Day |
| User-defined | Easy to Maintain |
| Infrastructure Free | Time Efficient |

Application form

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The Molas B300 wind lidar based on all-fiber coherent doppler effect, through the VAD scanning vector synthesis technology, can measure wind speed and direction in 30-300m above the lidar.

- 30-300m
- User-defined level
- 1Hz
- Unlimited encrypted data transmission
- Wind speed and direction
- Accuracy up to 0.1m/s and 1°
- THP data
- GPS positioning anti-theft system

A powerful alternative to wind mast

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|---|-----------------------------|--------------------|
| Wind resources assessment | Power curve test | Large wind turbine |
| Wind measurement in low temperature areas | Short-term wind measurement | |

