

## Short range Laser Anemometer

Short range laser anemometer can conduct non-contact and real-time 3D measurement to detect atmospheric wind field in 10m~200m height range.

The device has many characteristics, such as quick measurement, high accuracy, small dimension and high stability. The device has a widely applying prospect in airports, docks, wind power plants, weather prediction and environmental monitoring. It is a new type and efficient weather measuring system.

### Main technical index:

- Operating wavelength: 1550nm;
- Wind speed measuring range: 1~40m/s;
- Wind speed measuring accuracy:  $\leq 0.5$ m/s;
- Wind direction measuring accuracy:  $\leq 8^\circ$ ;
- Height measuring rang: 10m~200m;
- Weight: ~45kg;
- Power supply: 24VDC;
- Power consumption:  $\leq 200$ w;
- Operating temperature:  $-25^\circ\text{C}\sim+50^\circ\text{C}$ ;
- Humidity: 10%RH~100%RH;
- Altitude:  $\leq 4500$ m;
- Operating mode: Unattended and continuous working
- Range resolution: 10m ( $\leq 100$ m height)  
20m ( $> 100$ m height)

