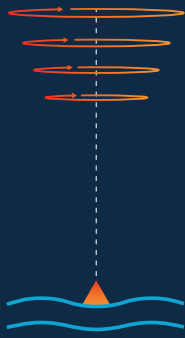


Wind speed at light speed

 **ZXLidars**

Product Guide 2018



ZX 300M

Offshore wind measurements from vertical profiling Lidar

Available on all commercial floating buoys and designed for any offshore platform. Proven in the harshest of offshore floating environments. All with the longest service and warranty period, as standard, of any Lidar.

ZX 300M at a glance:

- 10 to 200+ metre wind measurements from deck.
- Specifically designed for the offshore environment with enhanced marinisation.
- Extensive 3 year service period ensuring the lowest cost of ownership of any offshore Lidar available.
- Installed and proven for use on all market-ready floating Lidar platforms.
- Validated across multiple pre-commercial floating deployments and as mast replacements on fixed platforms.



The industry standard Lidar offshore for affordable remote wind speed measurements

Significantly reduce the cost of your measurement campaign.

Reduce your measurement uncertainty by measuring higher than a met mast.

Reduce your measurement uncertainty further by mobilising measurements across a whole site by utilising floating Lidar.

Better manage health & safety requirements on site with no need to work at height.

Be flexible within your planning applications by using a low visual impact, low height device.

ZX 300M features include:

- Our Continuous Wave laser measures the Line of Sight wind speed every 20 milliseconds to 'freeze' any motion encountered.
- Multi-layered, highly insulated, plastic moulded Lidar housing, with additives to provide high UV stability and improved marine growth resistance.
- Highest grade of marine connectors available for all peripheral items, 2000+hrs salt spray tested.
- Custom stainless steel frame to allow for ease of handling and efficient securing to any platform surface.
- Marine met station with improved yaw determination, for floating offshore platforms.
- Stainless steel window wiper system with silicone wiper blade.
- External cooling system / air movement fans upgraded to IP 68.



300M Specification

Measurements

Range	10 - 200 metres (Lidar measurement) 0 - 10 metres (onboard met weather station)
Probe length	± 0.07 metres @ 10 metres ± 7.70 metres @ 100 metres
Heights measured	10 User configurable 1 Additional met weather station measurement
Sampling rate	50Hz (up to 50 measurement points every second)
Averaging rate	True 1-second averaging 10 Minute averaging
Accuracy wind speed	0.1 m/s*
Direction variation	< 0.5°
Range	< 1 m/s to 80 m/s

Product

Service interval	36 months from new
Size	805 x 845 x 966mm
Weight	53.4kg
IP Rating	IP 67
Power consumption	69W
Power input	12V
Temperature range	-40 + 50°C
Warranty	3 years
Maintenance	No annual maintenance or calibration in this period

ZXLidars.com

The Old Barns, Fair Oaks Farm, Hollybush, Ledbury, HR8 1EU, UK

ZX Lidars is a registered trademark of Zephir Ltd., a registered company (SC317594) in Scotland. Our Registered Office is The Greenhouse, Dalry, Castle Douglas, DG7 3XS, UK. Registered No. SC317594. VAT No. GB243692648

The logo for ZX Lidars features a stylized 'ZX' symbol on the left, composed of three parallel diagonal lines in orange and dark blue. To the right of this symbol, the word 'Lidars' is written in a bold, dark blue, sans-serif font.

ZXLidars