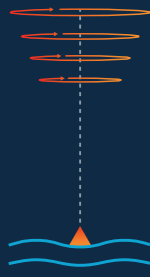


# Wind speed at light speed

 **ZXLidars**

Product Guide 2021



# ZX300M

## Offshore wind measurements from vertical profiling Lidar

Newly updated in 2021. 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 marination.
- 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.

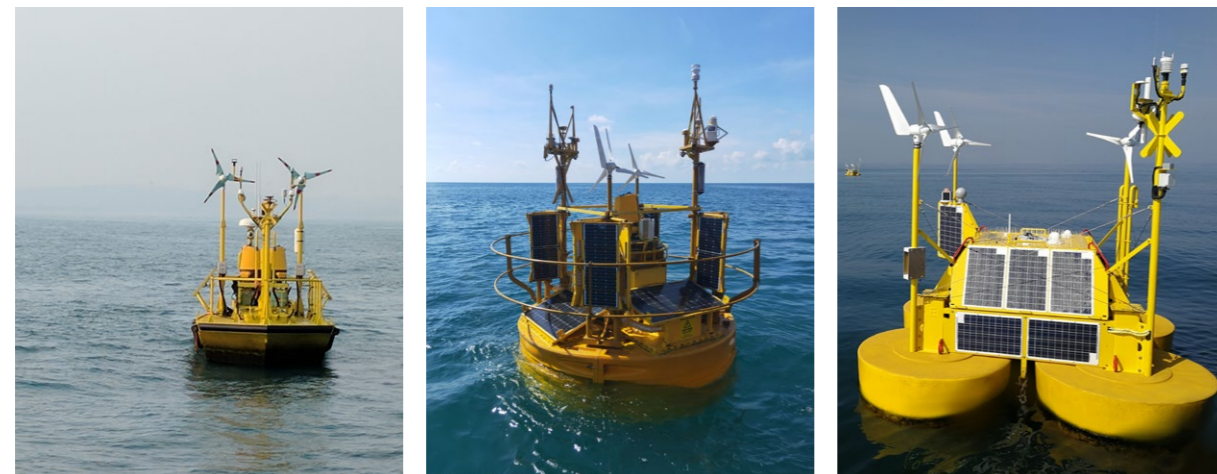
Reduce your measurement uncertainty further by mobilising measurements across a whole site by utilising floating Lidar.

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 was newly updated in 2021 and 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.
- All External components tested to IEC60068-2-11.



## ZX300M Specification

### Measurements

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

### Product

<b>Service interval</b>	36 months from new
<b>Size</b>	805 x 845 x 966mm
<b>Weight</b>	53.4kg
<b>IP Rating</b>	IP 68
<b>Power consumption</b>	69W
<b>Power input</b>	12V
<b>Temperature range</b>	-40 + 50°C
<b>Warranty</b>	3 years
<b>Maintenance</b>	No annual maintenance or calibration in this period

**Your Lidar adventure starts today  
by speaking to ZX Lidars.**

**Email** [sales@zxlidars.com](mailto:sales@zxlidars.com)

**Call** +44 (0) 1531 651 000

**Web** [ZXLidars.com](http://ZXLidars.com)

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

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 **Lidars**