

- Up to 100 m Transmission
- No Running Cable
- Wind Speed & Direction
- 2 Years Sensor Battery Life
- Instant Wind Data - Every 1 second

# Wind Smart

Wireless wind speed & direction for Smartphone



## Introduction

Operating a crane in windy conditions can create a potentially dangerous situation. The wind forces imposed on both the crane and the load, which can affect the strength and stability of the crane. In order to ensure everyone's safety during lifting operations, it is imperative that all members of the lifting team knowing the wind speed and the wind resistance.

The challenge of knowing the the wind speed is the connection between sensor and display. Traditional cable solution wouldn't work well. Scarlet Wireless Anemometer Series provide elegant solutions ranges from simple display (WR-3), data logger (WL-11), data output model (W-110) full-fledged wireless alarming system (WL-410) and smartphone version (Wind Smart).

The beauty of Scarlet's solution is one sensor, connect to any number & type of displays to notify anyone who cares about the safety. All are wireless

## Application Areas

- Mobile/Tower/Bridge Cranes
- Lifting Equipment
- Offshore Oil Platform
- Marine Application
- Aviation Industry
- Agriculture Field



## Features

- Easy-to-use solution for wind site evaluation
- Range up to 100m (Bluetooth low energy)
- Support Android & iOS platform
- Easy installation without running cables
- Replaceable anemometer cups
- UP to 2 years sensor battery life



## Sensors

### Wind speed only



### Wind speed & direction



# Technical Specification

## Sensor

<b>Wind speed sensor</b>	Range: 0.6...50 m/s
	Resolution: 0.1 m/s
	Accuracy: typ. +/-3%
	Unit: m/s, km/h, knots, mph
<b>Wind direction sensor</b>	Range: 0...360° no blank sector
	Resolution: 1°
	Accuracy: +/- 2.5°
<b>Temperature sensor</b>	Range: -30...60° C; Unit: ° C, ° F
	Resolution: 0.1° C; Accuracy: +/- 0.5° C

## Mechanical

Sensor bearings	2 x precision stainless steel ball bearings
Receiver housing	ABS
Receiver dimension	94 x 63 x 28 mm
Sensor housing	Anodized aluminum & PVC
Sensor - cups	PA (polyamide)
Sensor dimension	210 (H) x 120 mm (cup-to-cup diameter)
Mounting	Sensor mounts on ø20 mm pipe

## Smartphone Apps

Platform	iOS, Android
Measurement	wind speed, temperature, wind direction (WSD version)
Alarm	Wind Speed Alarm
Display	current, average, maximum wind speed, history graphs, temperature, wind direction

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