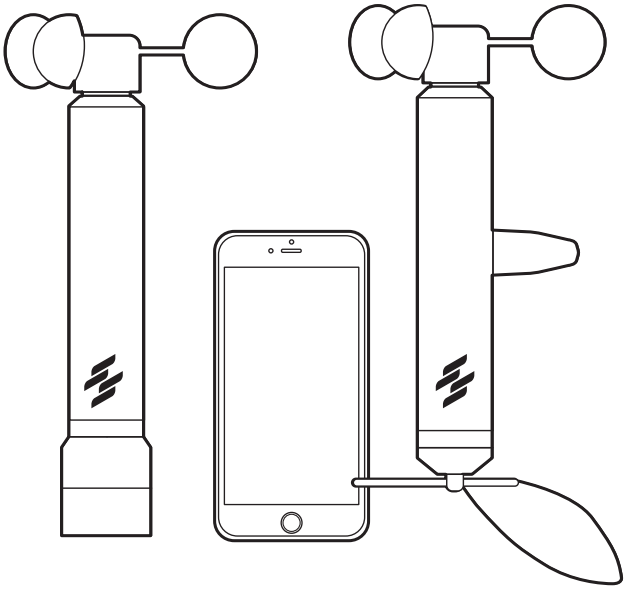
SCARLET | TECH



Windsmart

Wireless Anemometer

User Guide

Operation

The anemometer sensor switches ON automatically when the wind cups revolve, and switches OFF after 6 hours of in stillness. In the ON state, Wind Smart transmits measurements of current, average and maximum wind speed, temperature, and wind direction (optional) every second directly to the WindSmart Apps on your smart devices via Bluetooth 4.0 technology.

Mobile Application

Scarlet provides free mobile application for iOS (iPhone 4s+) and Android (4.3+ with the BLE module) platform. While using the iOS devices, make sure "Allow Location Access" is set to "While Using the App".
Users may download the WindSmart App directly via the QR codes below:

WindSmart

iOS WindSmart

Download on the App Store

Android Wind Smart

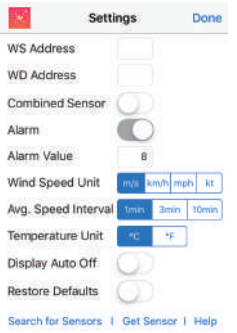
GET IT ON Google Play

Sensor Pairing

Before pairing, please turn on the bluetooth function on your mobile device. Make sure the mobile device with Android 4.3 or newer with Bluetooth Low Energy (BLE). For iphone, the device should be at least iPhone 4s or newer.

In Application setting menu always set the address correspond to the address of the sensor from which you wish to receive data. Address of the sensor is indicated on the label and in the interior of battery compartment.

For example, enter the sensor address showed on the label, e.g. 78. Once it's paired, the data will be automatically transmitted to the mobile device.



Range

The transmission range up to 40 meters while there is no obstacle between the sensor and the receiving unit (varies with different devices).

Battery Replacement

Take off the battery cover by turning sensors bottom part. Pull out the battery holder and insert new battery (3,6V AA Lithium battery).

Technical Data

Sensor

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

Mechanical

Sensor bearings	2 x precision stainless stell 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

Mechanical

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

Warranty

Warranty conditions

This product is guaranteed for one year after date of purchase. During limited warranty period any defective product will be repair or replace with comparable product without charges. The limited warranty does not cover battery and damages of any kind including physical caused accidentally or from misuse. Manufacturer's responsibility is limited to repair or replace the product. Any liability for direct or indirect damage caused by product failure is excluded. The claimed product will be repaired or replaced only when returned to the store where it was purchased together with original invoice.

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