



WindSense

Product Introduction

WindSense WiFi Wind System

October 2016 Digital Yacht (US Tel 978 277 1234)

www.digitallyachtamerica.com

Part Number: ZDIGWS

UPC: 081159830625

SRP \$599.95

Introduction & Market

Dear Partner

WindSense is a new wireless wind system designed to allow iPads, tablets, SmartPhones and PCs to display accurate apparent wind speed and direction. It features a high quality, precision mast head sensor with 20m cable that connects to a below decks interface unit providing a wifi and NMEA 0183 wired connection. Existing NMEA compatible sensors can also be connected to the NMEA input to allow the wireless network to share other available on board instrument data. It's compatible with a wide range of apps for iOS and android. The built in wifi will typically footprint a GRP boat up to 30m

It has been attractively priced and positioned as a low cost replacement or addition to any marine electronics system but offers significantly enhanced accuracy, reliability and functionality with easy interfacing enabling a tablet to become a complete instrument display with other connected sensors. There are many vessels equipped with just a speed and depth system who require wind data too and also many older wind systems requiring replacement where customers do not want the substantial cost of a totally new instrument package. Depending upon the app utilised, true wind information, VMG and other sailing performance parameters may also be calculated

A NMEA 2000 adaptor will be available later this year for integration with NMEA 2000 systems allowing further system expansion for the future

The Digital Yacht team



Product Summary

SRP \$599.95

UPC 081159830625

PART NUMBER ZDIGWS



Product Summary

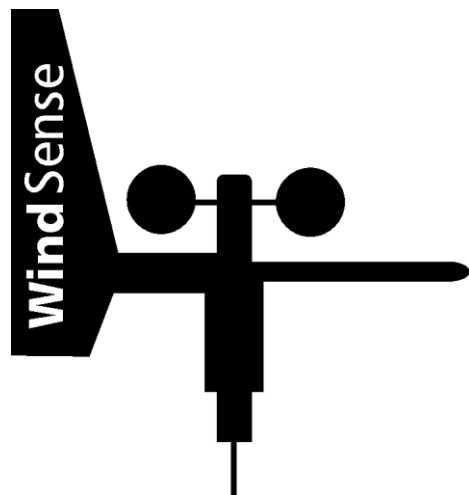
- Stand alone or networkable (via NMEA 0183) wind system with precision mast head unit
- Wired connection with super-thin cable from MHU to below deck interface with wireless WiFi and wired NMEA connections
- Ultra tough Igildur™ mast head unit bearings for exceptional life and corrosion resistance
- Full range of apps for iOS & Android plus compatible with multiple PC and MAC apps
- Support for up to 7 WiFi connected devices – use multiple smart phones, iPads or tablets as a display at the helm, chart table or on deck
- NMEA 0183 output (\$MWV)
- NMEA 0183 (4800 or 38400 baud) input with multiplex facility for WiFi connection
- WiFi can be standalone or joined to existing network
- Minimal power consumption
- Optional NMEA 2000 interface (available late 2016)



WindSense System
Comprises WND100 mast head unit with 20m cable and WindSense below deck interface unit with wifi

Note
iPad not included with system

Product Installation



WND100 Mast head unit
Ships with 20m ultra thin interconnect cable and connector plug for WindSense interface



WiFi Interface
Supports up to 7 connected devices – iPad, PC, Android, MAC etc



WindSense Interface
Waterproof interface unit - WiFi point footprints boat typically up to 30m (GRP)

NMEA 0183 Input
Configurable 4800 or 38400 baud

NMEA 0183 Output
Configurable 4800 or 38400 baud

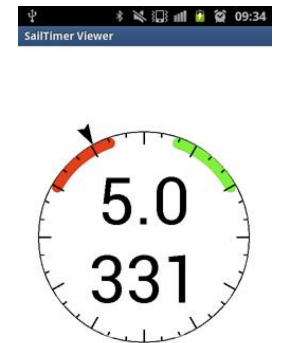
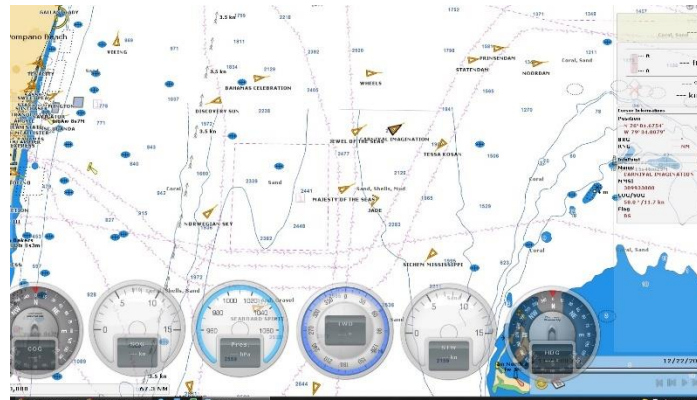
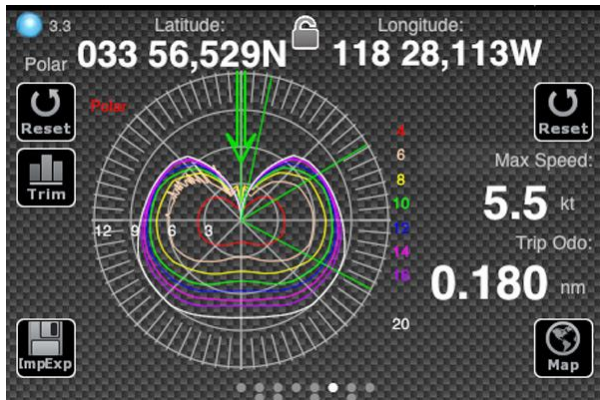
DC Power In
10-30V DC

WindSense^{WiFi}

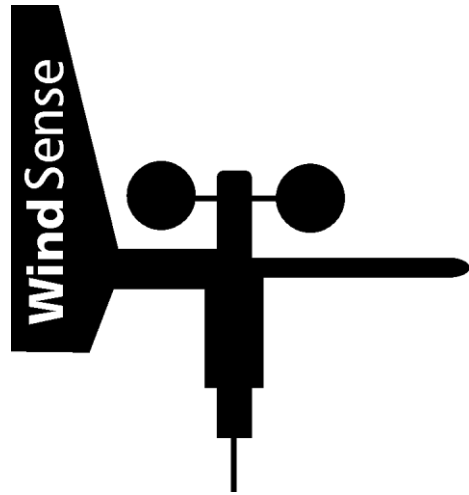
- Ultra thin mast head unit cable is easy to install and offers superior reliability over other proprietary wireless solutions
- WindSense interface unit can be installed with a footprint suitable for a boat up to 30m LOA
- WiFi interface supports UDP and TCP/IP connection protocols and support for up to 7 connected devices
- WiFi interface can be programmed to join another wifi network if required

App Compatability

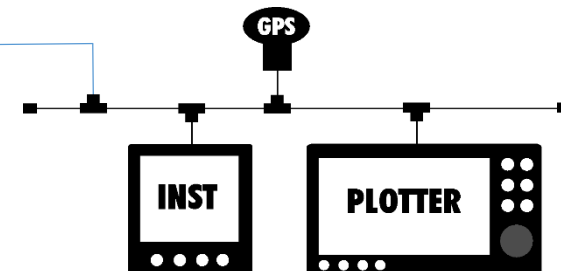
- TCP/IP and UDP compatability makes for easy integration with wide variety of new and existing apps and charting programs with instrument displays
- iOS, Android, MAC & PC
- Free apps from Digital Yacht plus use popular, low cost apps from many 3rd party developers too
- Apps can calculate true wind information, VMG and other performance sailing data like polars and laylines for racing



NMEA 2000 System Expansion



OPTION
NMEA 2000 Interface
Available end 2016

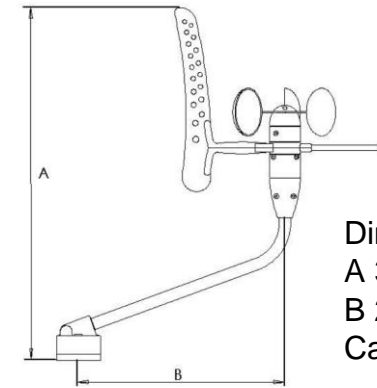


- Optional NMEA 0183 to NMEA 2000 interface available late 2016
- Allows easy integration of WindSense into any NMEA 2000 instrument system
- Future proofs customer's investment if complete new system purchased

Tech Specs

Feature	
Power	<ul style="list-style-type: none"> 10-30V DC. Typical power consumption 50mA @ 12V DC
Interface	<ul style="list-style-type: none"> NMEA 0183 In/Out configurable 4800 or 38400 baud Output update 5Hz (configurable) WiFi – 802.11b/g Support for up to 7 connected wifi devices TCP/IP and UDP connectivity Optional NMEA 2000
Accuracy	<ul style="list-style-type: none"> Wind Speed Typical 3% at 10-40 knots Wind Angle Typical 4 degrees Max wind speed 80 knots
Factory/Dealer programmable characteristics	<ul style="list-style-type: none"> Align Wind/set offset – Front panel set switch and available as a NMEA command Direction damping Output sentence rate
Compatibility	<ul style="list-style-type: none"> Wide range of free and premium apps for iOS, Android, PC & MAC Integrate with charting applications Utilise with traditional marine electronics through NMEA interface

Physical Dimensions



Dimension
A 390mm
B 225mm
Cable length 20m



Dimension
A 90mm
B 160mm

Dealer Point of Sale/Marketing Material

- Attractive counter top display (42 x 30cm) available free of charge for dealers
- Images on website and PR newsroom

Wireless Wind Sys For iPad & Tablets

WindSense

WND100 Precision mast head unit with Iglidor alloy bearings

DIGITAL YACHT
TECH SUPPORT: +44 1792 554622
www.digitalyacht.co.uk
10-18V DC OPERATION ONLY
PART NO. 2004011508
5018 DVWSENSE-XXXX
Manufactured in the UK
Compass Safe Distance 1m

WindSense Wireless Wind Sys

STATUS WIND NMEA LINK
RED POWER+
BLACK POWER-
PINK NMEA OUT+
VIOLET NMEA OUT-
YELLOW NMEA IN+
GREEN NMEA IN-

POWER-DATA INPUT

True Wind
12.9 kts

WindSense NMEA IN-OUT

- Precision, high quality mast head unit
- Turn your iPad, tablet, smart phone, PC or MAC into a full function instrument display via a wifi connection
- Supports up to 7 connected devices so your mobile becomes an inexpensive repeater - great for chart table and cabin displays
- NMEA multiplexer built in for other NMEA information such as GPS, depth or AIS
- NMEA output for traditional electronics
- Choose from 100's of apps as a display

WindSense creates a wifi network on your boat that any tablet, iPad, SmartPhone or PC can join. Data can then be read by any compatible app including charting software, instrument displays and racing/tactician programs. Saves & makes sense!

DIGITAL YACHT