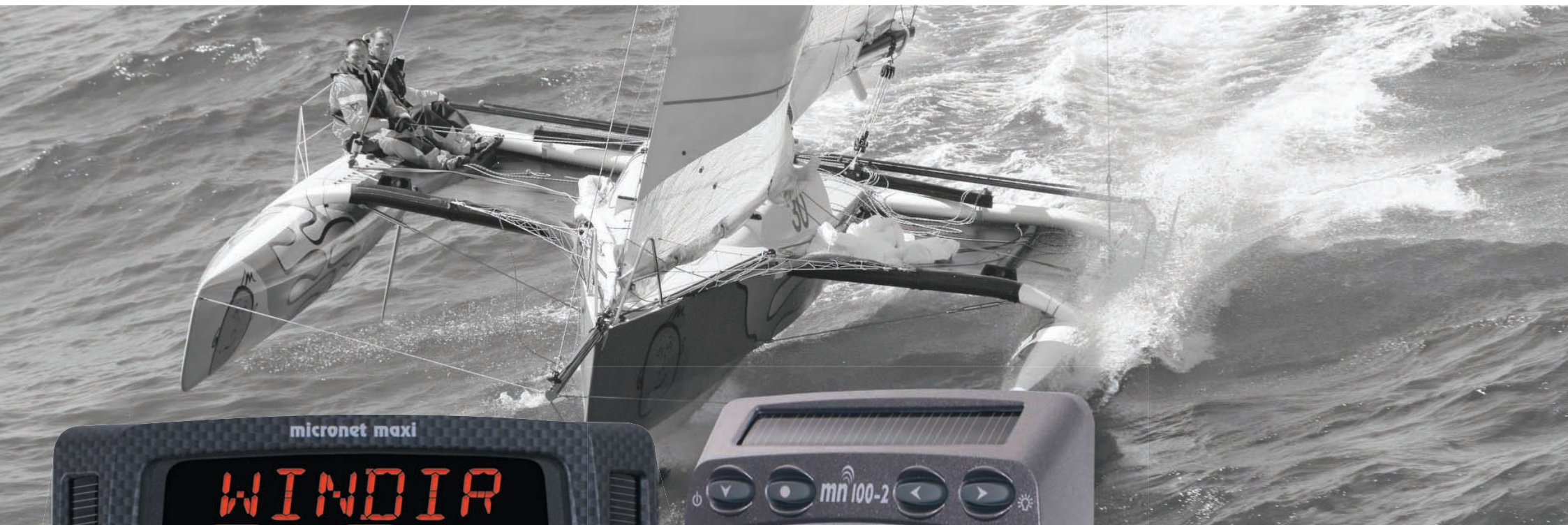


Raymarine®



Tacktick

Wireless Instruments

The wireless revolution has already begun

Across the globe, sailors and boat owners are experiencing the benefits of Tacktick's groundbreaking Micronet wireless and solar power technology. Regardless of the type of boat, Tacktick's wireless system makes getting the information you need simple



Freedom is wireless

Besides giving you versatility, Tacktick displays are unique. They are wireless, solar powered and use Micronet technology, which means:

Reliability

Wiring failures cause 80% of electronic faults, proving that wires and water don't mix. Omitting the wires instantly reduces the potential for leakage and breaks in data and power supply.

Easy installation

A typical installation can be done in just a few hours, with your rig in place and your boat still in the water. And there's no need for holes in the bulkhead or wires down the mast.

Self-powering

Tacktick displays are solar powered with integrated lithium batteries that power the unit for life. Power consumption is so efficient that units can run autonomously for up to 300 hours.

Lightweight

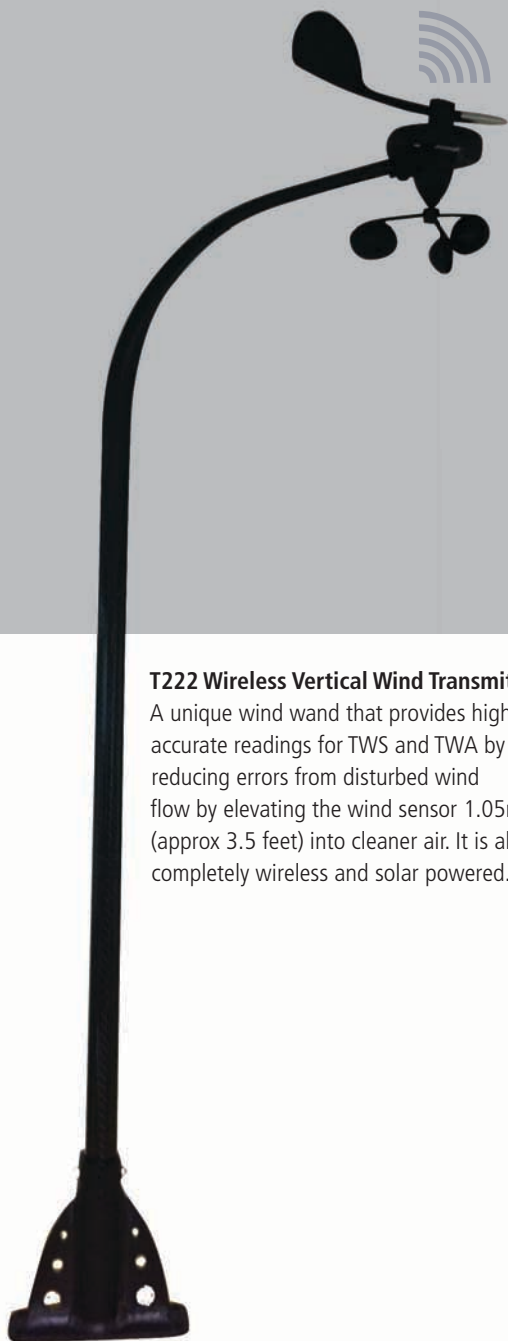
The elimination of wires in the mast not only reduces spar weight but also lowers the boat's centre of gravity, giving significant and immediate performance advantage.

Portability

Using clip-in cradles, your displays can be placed anywhere on your boat, allowing you to view the information where and when you need it.

Waterproof

All our products are sealed for life and completely waterproof (submersible to 10m). This also means no condensation.



T222 Wireless Vertical Wind Transmitter

A unique wind wand that provides highly accurate readings for TWS and TWA by reducing errors from disturbed wind flow by elevating the wind sensor 1.05m (approx 3.5 feet) into cleaner air. It is also completely wireless and solar powered.

Tacktick Racing Products

Micronet Wireless Displays

Tacktick racing displays receive and display data wirelessly from Hull and Wind transmitters, including polar data, true wind speed and angle, VMG and compass heading. Data is compatible with tactical racing software on your PC via the Wireless Interface and has performance pages for you to upload to. Dynamic damping control compensates for sea state, giving you the fastest possible response rate, including compensating wind data from the effects of mast rotation.



"Delivering precise data where you need it and when you need it."

T210 Multifunctional Wireless Maxi Display

A large, solar-powered mast display for racing yachts that provides highly visible and accurate data. Massive 50mm (2") digits.

Unique racing functions:

- **Automatic page selection.** The 'Auto Leg' function allows the display to automatically show the right information for each leg of the course.
- **Page hiding.** Customise the display to show only the data options required minimising the time it takes to select the information you want.
- **Maximized performance.** The displays have an innovative Start Line feature, Line Bias, Wind Shift and Timer functions together with indicators for acceleration and speed trend.
- **Tidal waters.** The Set, Drift, Turn and Course to Steer functions will give you the edge by helping you to spot tides.

T215 Multifunctional Wireless Dual Maxi Display

Displays two lines of data in high contrast 32mm (1.3") digits.

- **Excellent visibility by day.** High contrast LCD and a wide angle of view.
- **Excellent visibility by night.** The black background ensures minimal night vision disturbance and a choice of red or amber digits allows you to select different colors for different data.
- **Remote control.** Your Maxi can be controlled and configured from anywhere on your boat using the Tacktick Remote Display.
- **Free format data pages.** Allows PC navigation and race software to write directly to Tacktick displays.

Excellent visibility by night.

Amber or red.

Added features:

- Data is processed, sampled and analysed at 8 Hz. Displays update up to 2Hz.
- True wind correction, with user-friendly solution for sail airflow disturbance (upwash).
- Automatic filtering enables damping to be optimised for the conditions.
- Tack to tack correction for off-centre-line speed transducer installations.
- Speed trim, acceleration and trend indication.



Lightweight

Reliable

Portable

Tacktick Racing Multi-Hulls

Advanced Transmitting Technology

With Tacktick's advanced transmitting technology, you can link your various transducers to the Hull Transmitter which sends the information to the Micronet Displays via a wireless link. It can be conveniently sited anywhere on the boat.



T121 Hull Transmitter

With a Tacktick system, you no longer have to rely on a mercury switch to ensure your displays talk to the Hull Transducer in the water. Instead, Tacktick's advanced Micronet technology allows your displays to use wind direction to automatically determine which hull transducer supplies the information you need.

*Note: you need two Hull Transmitters for this configuration.



T221 Mast Rotation Transmitter

This unique Mast Rotation Transmitter compensates for movement of a rotating mast, ensuring you always get the most accurate wind readings. This wireless device compares compass information from the boat with its own information and corrects the wind angle coming from a standard or vertical Tacktick Wind Transmitter on the masthead. Easily installed on the mast, and simply calibrated from a display.

Tacktick Racing Keel and Sports Boats

Master Series

Designed specifically for keel and sports boats to provide critical and tactical race information that will give you the edge.



T070 Race Master

The ultimate race compass, wind shift indicator and race timer. Its two-tier display shows your heading, how far you're above or below the mean course, and how much you're being headed or lifted. It will enable you to quickly and easily establish the favored end of the start line, and will help you sail the shortest distance to the windward mark. Downwind, you can see how far off dead downwind you are and when you should gybe for optimal VMG.



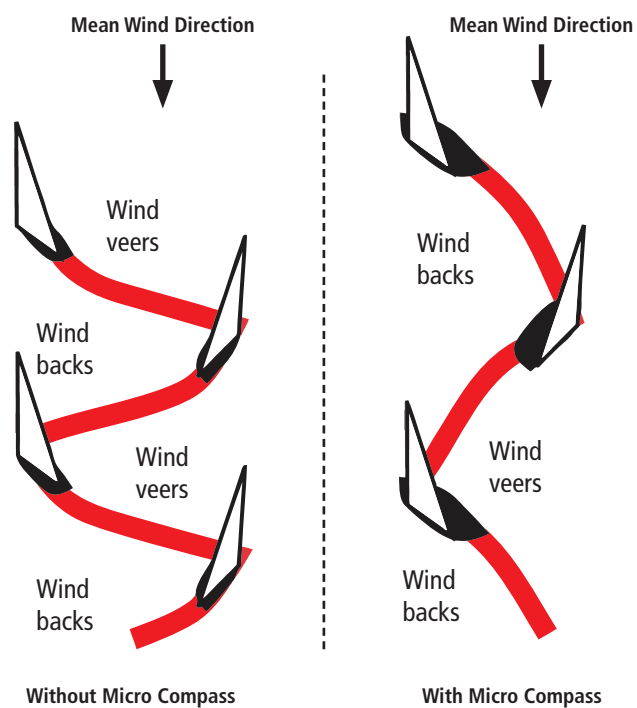
T075 Multifunctional Race Master System

The Micronet Race Master offers you all of the benefits of the Race Master but can also be integrated with Micronet transmitters to provide additional tactical racing information, such as boat speed, depth, wind direction and GPS data. The Micronet Remote Display can be added to the system to provide information at your fingertips or to change the data on the main display.

Tacktick Racing Dinghies

The world's leading digital compass for dinghies

If you race dinghies, you know that you need to react to even the smallest wind shifts. The Micro Compass gives you all the data you require by incorporating a compass, tactical scale and race timer into one compact package.



T060 Micro Compass

The Tacktick Micro Compass gives you a massive racing advantage. It is light, easy to read, reliable and precise. The Micro Compass's tactical scale gives you clear stable figures corresponding on port and starboard tack. Whilst tacking, the readings are always the same, meaning you never have to remember numbers.



Easy to read

Reliable

Precise

Choice of Champions

Tacktick for Cruising

Relaxed, out at sea – nowhere you'd rather be

When cruising in the open ocean, your peace of mind depends on having accurate and visible data. Tacktick products provide all this in a system designed to be completely flexible. They are simple to install (it takes roughly an hour to install a Wind Transmitter, Hull Transmitter and all your displays) with no large holes to drill in your bulkhead or wires to thread down your mast. And as wiring causes 80% of failures in conventional instruments, Tacktick's wireless technology also means absolute reliability.

Tacktick Cruising Products

Micronet Wireless Cruising Displays

Tacktick cruising displays receive and display data, such as speed, depth, wind, SOG and XTE, wirelessly from any Micronet transmitter. Being wireless, Tacktick displays can be positioned wherever you need them on the boat, and they can be easily removed and safely locked away when not in use. With NMEA, you can also connect your existing system to any Tacktick wireless display.



T113 Multifunctional Wireless Remote Display

The Remote Display's dot matrix screen displays all the data in the system and can even display graphs to monitor trends.

Ever wanted to know what the depth is, when you're anchoring, on the foredeck? Ever wondered what the wind is doing while you're down below? Ever tried to read a chart in heavy seas and plot your course or estimate whether the wind has been increasing or decreasing during the previous two hours? Now you can with a Tacktick Remote.

Key Features

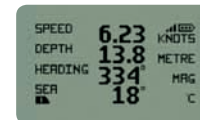
- Solar powered (300 hours autonomy)
- No need to change batteries
- Palm-sized
- Easy to hold
- Truly multifunctional
- Graphic multi-line display
- Light weight, only 130g (0.28lb)



Graphic Trend Analysis



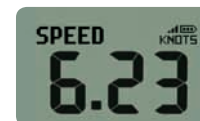
Remote Control for Displays



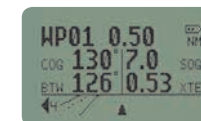
4 Line Display



Countdown and Race Timer



Large Single Digit Display



Waypoint/Rolling Road Display





T112 Multifunctional Wireless Analogue Display

A unique, multi-use instrument for displaying wind and course, combining exceptionally clear analogue and digital formats. The display shows large 14mm (0.56") digits.

Multiple Screens



T120 Wireless Wind Transmitter

This robust, accurate, and highly responsive wireless Wind Transmitter sends data from the top of your mast wirelessly to the displays. And it is also completely solar powered.



T110 Multifunctional Wireless Display

A large 38mm (1.5") readout shows any singletype of data available on the system. It is simple to configure and easy to read.

Multiple Screens



T111 Multifunctional Wireless Dual Display

Shows two lines of data simultaneously and can be configured at any time to display information provided by your transmitters. A large 20mm (0.8") digital readout.

Multiple Screens

Entry Level Products

Precise wireless systems that are a breeze to install

Whether you're replacing an existing system or considering installing one for the first time, Tacktick's Entry Level systems are easy to set up, and in most cases, perfectly usable with your existing Airmar transducers. With Tacktick's entry level systems, you don't need to remove headlining or trace old wiring. Simply fit the displays where you want connect a 12-volt power supply and the data will transmit wirelessly around the boat. All displays are fully compatible with any of the Tacktick Micronet systems.

Entry Speed/Depth System

The brand new Speed/Depth system is perfect for all yachts 10m (35ft) or under. A large, wireless 38mm (1.5") readout shows Speed or Depth, so there are no thick cables with connectors to pull through headlining or bulkheads. You only need a 12v connection to power the display and the Wireless Hull Pod, which receive and transmit data wirelessly.



Key Features:

- Speed
- Depth
- Sea Temp
- Log
- Display back lighting for night sailing
- Completely water proof to 10m (35ft)
- Simple Installation
- Easy calibration
- Receives data wirelessly

Entry Wind System

The new wind system is the ideal solution for cruising yachts 10m (35ft) or under. Wind speed and direction information is delivered wirelessly from the wind transmitter, whilst the display itself is powered by your boat's 12v battery.



Key Features:

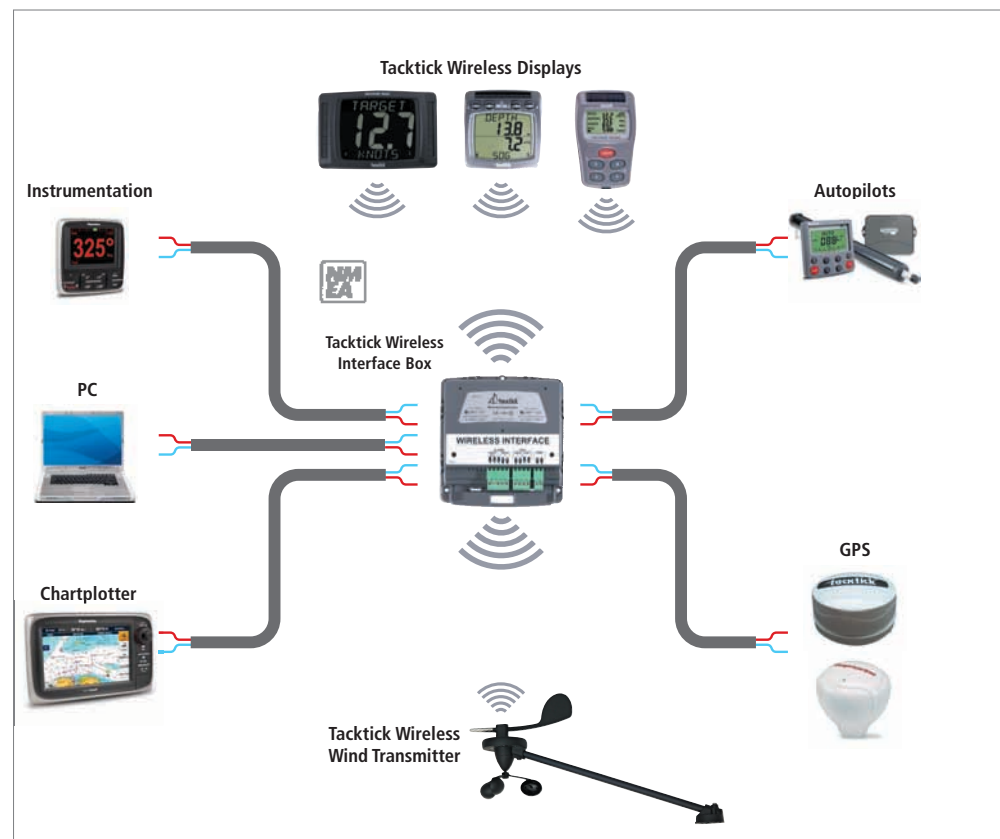
- True and apparent wind speed and direction* (true wind requires boat speed or SOG)
- Large clear analog display
- Display backlighting for night sailing
- Completely waterproof to 10m (35ft)
- Simple installation
- Easy calibration
- Wireless wind transmitter

* True wind requires boat speed from a speed transducer or triducer connected to a T121 Hull Transmitter or from GPS SOG connected to a T122 Wireless Interface Box.

Wireless NMEA System

Systematic connections

So here's the challenge. You have already invested in onboard systems for your boat. You would like to add some more capability like a Remote Display or some additional displays, but the issues with drilling holes and installing new cables are difficult and potentially expensive to address. With Tacktick, you can integrate additional systems linked to your existing system via a simple wireless interface.

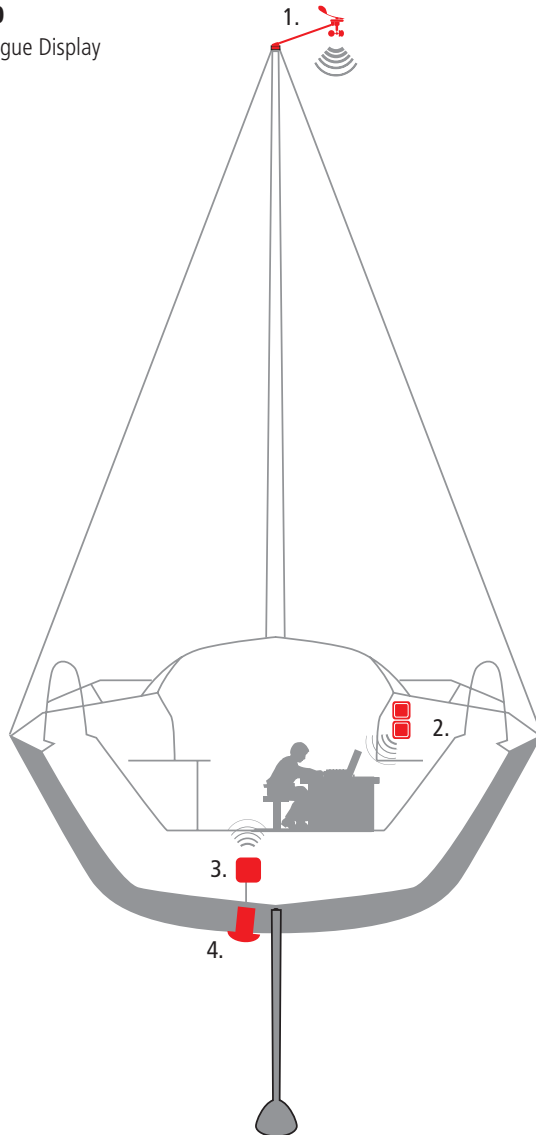


Tacktick Configuration

Example A (T108)

Whether you enjoy racing or cruising, you can design your own system to suit your specific needs. You can start with a basic system, as indicated in **Example A** below, which will provide you with all the basic data types for wind, speed and depth.

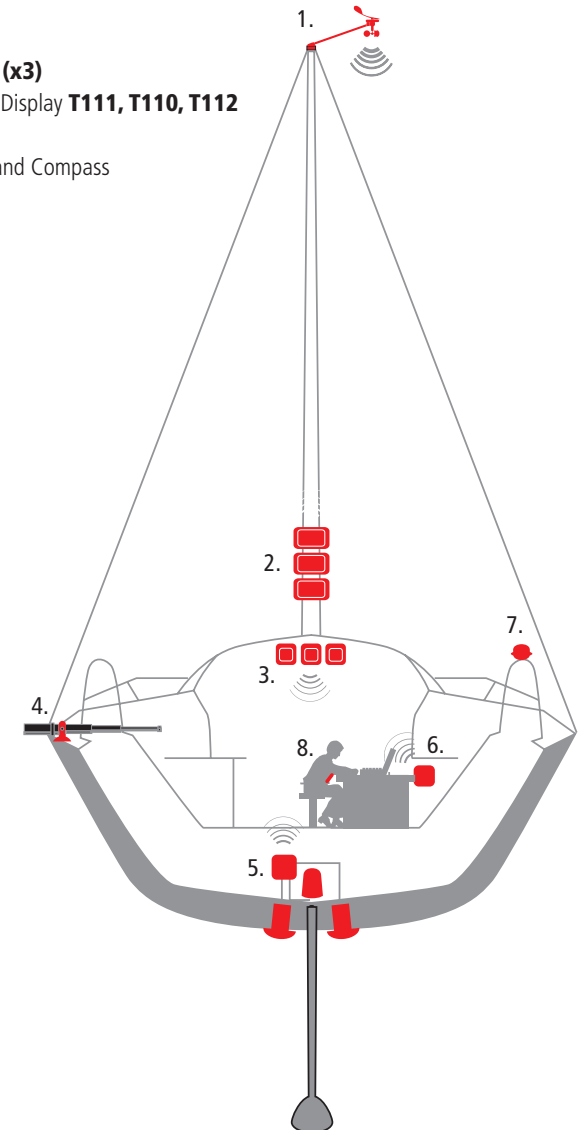
1. Wireless Wind Transmitter **T120**
2. Wireless Dual Digital and Analogue Display **T111, T112**
3. Wireless Hull Transmitter **T121**
4. Triducer **T910**



Example B

The system is completely flexible, allowing you to put together your own custom design, choosing from the full range of displays and transmitters available, as shown in **Example B** below. The Micronet Wireless Interface allows Tacktick instruments to integrate with other NMEA compatible instruments.

1. Wireless Wind Transmitter **T120, T222**
2. Multifunctional Wireless Maxi Displays **T210 (x3)**
3. Multifunctional Wireless Dual, Digital, Analog Display **T111, T110, T112**
4. Autopilot
5. Wireless Hull Transmitter with Speed, Depth and Compass Transducers **T121, T911, T912, T909**
6. Wireless Interface **T122**
7. GPS Antenna **T908**
8. Remote Display **T113**



Product Specifications

Note: all information is correct at time of going to print. Tacktick reserves the right to make changes from time to time. Our website will contain updated information.

ENTRY LEVEL PRODUCTS



	Speed and Depth	Analogue	Remote Display T113	Digital Display T110	Dual Digital Display T111	Analogue Display T112	Maxi Display T210	Dual Maxi Display T215
Apparent Wind Speed/Angle		•	•	•	•	•	•	•
Apparent Close Hauled Wind Speed/Angle						•		
High Wind Alarm			•	•	•		•	•
True Wind Speed/Angle*		•	•	•	•	•	•	•
True Close Hauled Winds Speed/Angle						•		
True Wind Direction*			•	•	•	•	•	•
Beaufort Wind Strength			•	•	•	•	•	•
VMG to Wind*			•	•	•	•	•	•
Max True Wind Speed							•	•
Header/Lift Indicator			•	•			•	•
Heading			•	•	•	•	•	•
Locked Heading						•		
Heading/Off-Course Alarms					•			
Tack Course			•	•	•	•	•	•
Boatspeed	•		•	•	•		•	•
Log/Trip Log	•		•	•	•		•	•
Average Speed/Max Speed			•	•	•		•	•
Trim***					•			•
Speed Over the Ground**			•	•	•		•	•
Course Over the Ground**			•	•	•		•	•
Set and Drift**						•	•	•
Lat/Long**			•	•	•		•	•
VMG to Waypoint**			•	•	•		•	•
Distance/Bearing to Waypoint**			•	•	•		•	•
Cross Track Error**			•	•	•		•	•
TTG to Waypoint**			•	•	•		•	•
Course to Steer to Waypoint**							•	•
Turn to Waypoint**			•			•	•	•

Lightweight

Reliable

Portable

ENTRY LEVEL PRODUCTS



	Speed and Depth	Analogue	Remote Display T113	Digital Display T110	Dual Digital Display T111	Analogue Display T112	Maxi Display T210	Dual Maxi Display T215
Waypoint Arrival and XTE Alarms		•	•	•			•	•
Depth	•	•	•	•			•	•
Min Depth/Max Depth	•		•	•			•	•
Depth Alarms		•	•	•			•	•
Sea Temperature	•	•	•	•			•	•
Time / Date		•	•	•			•	•
Race Timer		•	•	•			•	•
Boat Battery Voltage		•	•	•			•	•
Line Bias							•	•
Line Distance and Speed							•	•
Upwind/Downwind "Auto Leg" Selection							•	•
Trends/Acc for Speed, SOG, VMG-WND, VMG-WP							•	
Performance Data****			•				•	
Controlled by Remote Display			•	•	•		•	•
Page Hiding	•	•	•	•	•		•	•
Graphic Multi-Line Display		•						
Wind Airflow Correction							•	

* Requires speed through the water or SOG.

** Requires GPS data.

*** A trim function can be applied to much of the data. For example, set a required course on a display showing heading, and the instrument will show how far off course you are and whether to port or starboard. When a display shows boatspeed, you can lock it at a target speed, and see at a glance if speed is falling off.

**** Performance data is generated by PC software and all necessary basic data may be provided in NMEA format or come from Tacktick transmitters.

Entry Level Wireless Displays

- 12 volts required
- Compatible with all instruments systems via NMEA
- Simple to configure
- Backlighting to 3 levels
- Waterproof
- Lightweight, only 230g (0.5lb)

Micronet Remote Display

- Compatible with all instrument systems via NMEA
- Solar powered (300 hours autonomy)
- No need to change batteries
- Palm-sized
- Multifunction
- Totally waterproof (submersible to 10 m)
- Lightweight, only 135g (0.29 lb)
- Graphic multi-line display

Micronet Displays

- No wiring
- Solar powered (300 hours autonomy)
- Compatible with all instrument systems via NMEA
- Simple to configure
- Backlighting to 3 levels
- Totally waterproof (submersible to 10m)
- Lightweight, only 230g (0.5lb)
- Multifunction

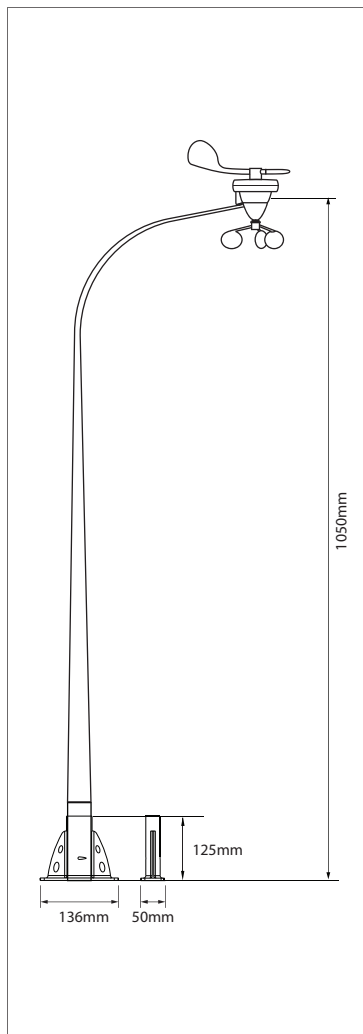
Micronet Maxi and Dual Maxi Displays

- No wiring
- Solar powered (300 hours autonomy)
- Compatible with all instrument systems via NMEA
- Simple to configure
- Backlighting to 3 levels
- Choice of backlighting in orange or red
- Totally waterproof (submersible to 10m)
- Lightweight, only 360g (0.79 lb)
- Multifunction

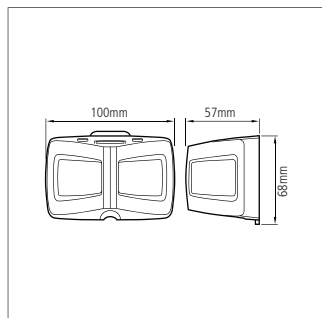
Groundbreaking Micronet wireless and solar power technology

Product Dimensions

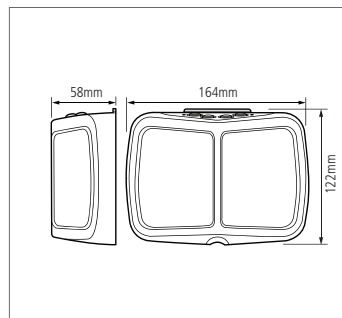
T222 Vertical Wind Transmitter



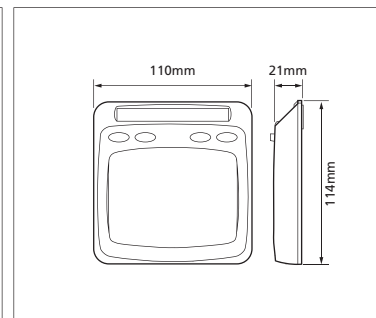
T060 Micro Compass



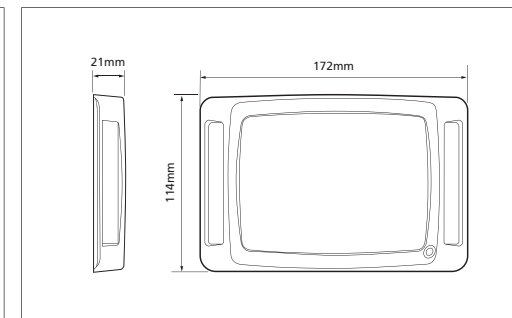
T070/T075 Master Series



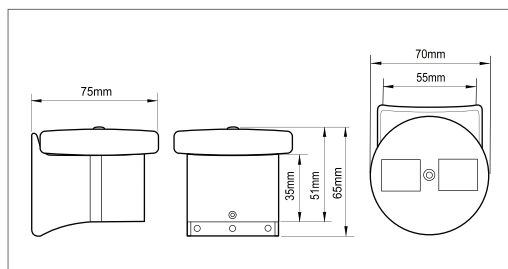
T110, T111 and T112 Displays



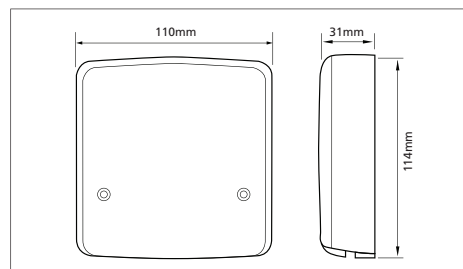
T210 and T215 Maxi Displays



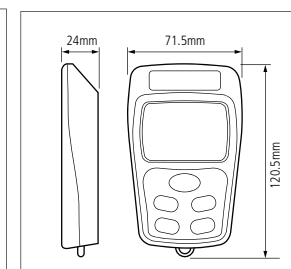
T221 Mast Rotation Transmitter



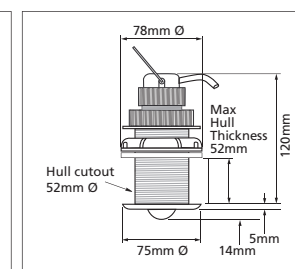
Hull Transmitters and Wireless Interface



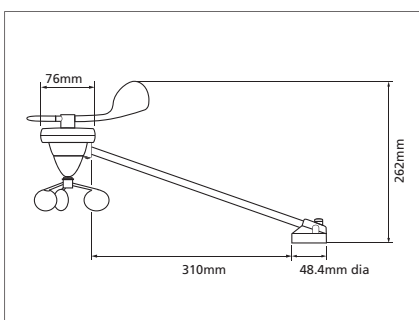
T113 Remote Display



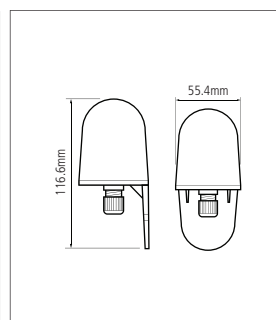
T911 Speed Transducer



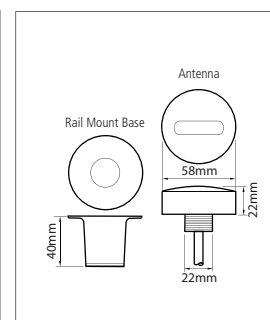
T120 Wind Transmitter



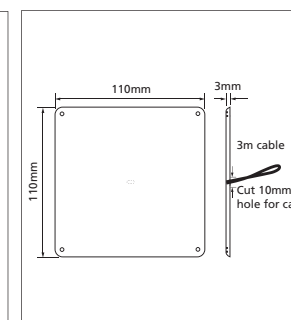
T909 Compass Transducer



T908 GPS Transducer



T138 Solar Panel

T910 Triducer T912 Depth Transducer
T914 Active Depth Transducer