



# T24-WSS



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## Wireless Wind Speed Transmitter Module



### Introduction

**The wireless wind speed transmitter module (T24-WSS) provides high accuracy measurement and offers a quick and effective solution for monitoring wind speeds in a wide variety of applications and industries.**

The T24-WSS uses a low power mode between transmissions to maximise battery life in the field whilst offering class leading wireless coverage range of up to 800 metres (2,600 ft).

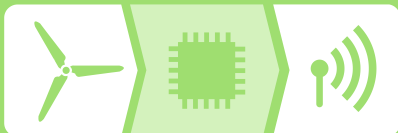
The Anemometer features a high quality 3-cup rotor in a rugged enclosure, providing rolling average wind speeds between 5 mph to 125 mph. It will also measure gusts at user defined periods of 1, 3, 5 or 10 sec. Wind speed measurement is available in m/s, fps, mph, km/h or kn.

The device is powered either from internal batteries or an external supply. For applications which require high sampling rates for long periods, Mantracourt's power pack (PP1) and solar panel (SP1) offer an ideal solution.

Forming part of the T24 modular telemetry system, the data transmitted by the T24-WSS can be received by multiple T24 receivers that include displays, handheld readers, analogue outputs, relay modules and computer interfaces.

### Product Features & Benefits

- Low power mode providing exceptional battery life in excess of 12 months
- Constantly monitors average wind speed
- Measures gusts at user defined periods
- Quick and simple installation
- Wireless range up to 800 m (2,600 ft)
- Supplied pre calibrated
- Simple configuration via T24 Toolkit software
- Improved flexible design
- Variable sampling
- Variety of different output units available
- Can be linked to a variety of the T24 peripherals
- Free visualisation software also available



### System Overview



**TRANSMITTERS** **RECEIVERS** **COMPATIBLE SENSORS**

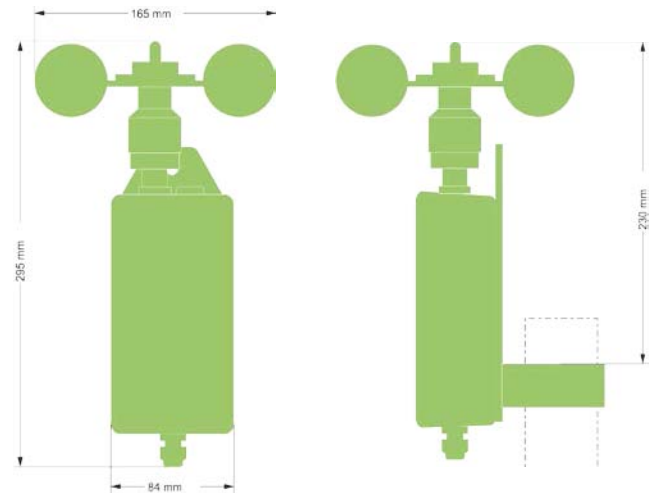
T24 Wireless Telemetry Sensor System is a modular wireless solution for industrial sensor applications.

High accuracy, high quality measurement is interfaced with simple yet powerful configuration and monitoring software.

## Specifications

<i>Parameter</i>	
<b>Measurement range</b>	5 – 125 mph
<b>Accuracy 5 to 10 mph</b>	±0.5 mph
<b>Accuracy 10 to 125 mph</b>	±4%
<i>Environmental</i>	
<b>Operating temperature range</b>	-20 to 55 °C
<b>Storage temperature range (no batteries)</b>	-40 to 85 °C
<b>Maximum humidity</b>	95%RH
<b>Environmental protection with suitable cables existing through cable glands</b>	IP67
<i>Power Supply</i>	
<b>Standby / low power mode</b>	5 – 20 µA
<b>Normal mode on constantly</b>	55 – 60 mA
<b>Reverse polarity protection</b>	-32 Vdc
<i>Internal</i>	
<b>Battery supply voltage (2 off D Cells)</b>	2.1 – 3.6 Vdc
<i>External</i>	
<b>Power supply voltage</b>	5 – 18 Vdc
<b>Power supply ripple</b>	50 mV ac pk-pk
<i>Battery life in low power mode generating results every second</i>	
<b>Pair of D cells constantly on</b>	1 year
<b>Pair of D cells 12 sessions per day of 10 mins</b>	6 years

## Mechanical



## Electrical



## Order Codes

### T24-WSS

Wireless wind speed transmitter module

### T24-WSSp

Wireless wind speed transmitter module with pivot bar for mounting to moving booms

Manual Reference: 517-937