

ORIOLE WIND SPEED & DIRECTION SYSTEM v2

IDEAL METEOROLOGICAL SUPPORT FOR MARINE SHIPS & PLATFORMS

- **ACCURATE** – **EASY TO OPERATE**
- **VALUE FOR MONEY** – **INDIGENOUS WITH LOCAL SUPPORT**

WMT52 Ultrasonic Wind Sensor for Accurate and Stable Measurement



The Vaisala WINDCAP® Ultrasonic Wind Sensor WMT52 - stable and inexpensive wind measurement for demanding applications.

- | Features/Benefits |
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| • Measures horizontal wind speed and wind direction |
| • Triangular design ensures excellent data availability |
| • No moving parts |
| • Maintenance-free |
| • Optional heating available |
| • Compact, durable and robust |
| • Low power consumption |
| • IP66 housing with mounting kit |
| • Applications: marine, wind energy, environmental monitoring |

SENSOR SPECIFICATIONS

Wind Speed Range	0-60 m/sec	Wind Speed Resolution	0.1m/s
Wind Speed Accuracy	(0 to 35 m/s): ± 0.3 m/s or 3% of reading, whichever is greater; (35 to 60 m/s): ± 5%		
Wind Direction Range	0...360°	Wind Direction Resolution:	1°
Wind Direction Accuracy	±3°		
Dimensions	Ht: 139 mm (5.47"); Dia: 114mm (4.49")		
Weight	510 gms (1.12 lbs)	Housing with mounting kit	IP 66
Power Supply	5 to 32 V DC	Operating temperature	-50...+60 °C (-60...+140 °F),
Environmental Compliance	IEC 60945 paragraph & vibrations	Response characteristics	0.25 s
Outputs	SDI-12, RS 232, RS 485, RS 422 Digital outputs type RS422 with baud rate 1200 to 19,200 adjustable		

WSDS BASED ON VAISALA WMT50/52 ULTRA SONIC SENSORS WITH MULTIPLE DISPLAY OPTIONS – 640 x 480 (10.4”) OR 320 x 240 (5.7”) INDICATING RELATIVE WIND SPEED & DIRECTION

Oriole Graphical Displays with high resolution & clarity for indicating Relative Wind Speed & Direction



SMALL DISPLAY SPECIFICATIONS	
Resolution	320 x 240 pixels with dot size 0.33 x 0.33mm and dot pitch as 0.03 mm
Input Data	8 bit parallel interface
Display Type	STN Blue
Power Supply	+5V & 22V Dual Power Supply
Dimensions	148(w) x 120 (h) x 19.5 (d) mm
Weight	Panel: 200 gms

LARGE DISPLAY SPECIFICATIONS	
Resolution	640 x 480 pixels with dot size 0.27 x 0.27mm and dot pitch as 0.3 x 0.3 mm
Viewing Angle	6 o'clock or 12 o'clock
Backlite	Fully dimmable through contrast control
Interface	RS422 NMEA, Baud Rate: 9600 Connector: 4 Pin <i>Phoenix</i> Plug and Housing
Power Supply	85~264VAC; 120~370VDC
Dimensions	202(h) x 306(w) x 56(d) mm OR 10.4"
Weight	Panel: 353.5 gms; Display: 2.21 Kg

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