

u[sonic] WS6 Weather Station



Ideal for:

- Renewable energy, including on-and off-shore wind turbines
- Environmental engineering and building automation
- Emergency management and public safety
- Aviation and airport operations
- Maritime version available for use aboard all types of vessels



ASK ABOUT: U[SONIC]WS6-NAV

Need more information? The compact weather station u[sonic]WS6-NAV has been tested by official institutions and is certified according to the EN 60945 standard for marine equipment.

Reliable weather data, Industry-best hardware

Whether you're monitoring heat and humidity levels to protect individuals outdoors or measuring wind speed to determine impact on business operations, access to real-time, local weather conditions is critical. The u[sonic]WS6 professional grade weather station measures six key weather parameters with one compact sensor that's built to withstand all types of weather and extreme environmental conditions.



Air
Temperature



Dewpoint
Temperature



Air
Humidity



Barometric
Pressure



Wind Speed
& Direction

BENEFITS



Protect your employees, visitors and other stakeholders with real-time automated alerts for high winds and temperature



Robust technology with independent, integrated sensors and no moving parts for superior accuracy of each measurement



Built from high-quality marine-grade metal, perfect for monitoring conditions at any facility, including wind farms, oil and gas, manufacturing, mines, parks, athletic facilities, and more



Innovative, compact design minimizes labor and installation costs for easy setup and maintenance

Accurately Measure 6 Critical Weather Parameters

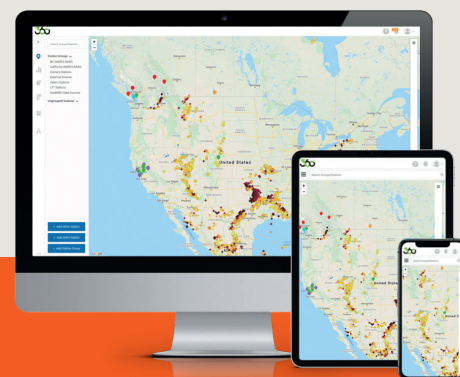
At AEM, our LAMBRECHT weather sensors have been helping customers monitor and mitigate weather-related risk for over 150 years. The u[sonic] family of weather sensors deliver a compact and reliable solution available for almost any application and environment.

u[sonic] WS6 Specifications

COMPONENT	SPECIFICATION
Id-No.	00.16480.000000
Wind direction measuring range	0 to 359.9°
Wind speed measuring range	0.0 to 65.0 m/s
Air temperature measuring range	-40.0 to +70.0 °C
Humidity measuring range	0.0 to 100.0 %
Barometric pressure measuring range	300.0 to 1100.0 hPa
Interface	RS485 / 422; NMEA 0183 SDI-12 and Modbus RTU (optional)
Maximum wind impact velocity	100 m/s
Supply voltage	Without heating: 6 to 60 VDC With heating: 24 V AC/DC \pm 20 %
Current consumption	Sensor: typical 50 mA at 24 VDC With heating: max. 10 A at 24 V AC/DC
Housing	Seawater resistant aluminum Dimensions: Ø 199 mm; height 238 mm Protection class: IP 66, IP 67

Key features:

- Durable seawater resistant aluminum construction ideal for severe weather conditions
- 6 integrated sensors with no moving measuring elements
- Compact design that is easy to install and maintain
- Rugged shelter protects sensor from extreme environments
- Built-in test function notifies user of erroneous data or failure
- Electronic self-heating enables use in a wide range of temperatures
- Compatible with a wide variety of interfaces and protocols
- Specialized model available for maritime use



ASK ABOUT: FTS360

FTS360 is a secure and reliable cloud based IoT platform that allow users to view and curate sensor and station data, camera images and video. It provides a customizable, agile programming environment for advanced calculations, intelligent alerting, and full configuration capabilities.

To find out more about all of our technologies, visit aem.eco or contact us at info@aem.eco