

Automatic Weather Station AWS310

VAISALA

Product Spotlight

The complete solution for reliable onshore weather measurements

Weather itself can be unpredictable. The quality, consistency, and reliability of data shouldn't be. The Vaisala Automatic Weather Station AWS310 is built to deliver accurate, real-time weather information for effective short- and long-term forecasting and monitoring of developing severe weather conditions. It's as close to a set-it-and-forget-it solution that you'll find.



Key benefits

Automatic, real-time quality control that tests sensor data against minimum and maximum climatological limits and changes between successive measurements.

Centralized remote monitoring and control of a single AWS site or full network through Vaisala's NM10 web-based interface.

Long calibration intervals with minimal on-site configuration for reduced maintenance costs and minimal downtime.

WMO-compliant sensors designed for professional maritime use that deliver validated data and measurement consistency.

Resilient structure and backup systems providing uninterrupted functionality for communications, data storage, and system memory.

Why Vaisala?

Weather and environmental insights are the greatest catalysts for successful maritime operations— from sensors to systems and digital services, Vaisala provides actionable insights that empower stakeholders to confidently meet challenges and harness new opportunities.

Our globally trusted maritime weather solutions enable remarkable efficiency gains, digital transformation, the protection of people and investments while supporting sustainable and responsible operations.

We are scientists and explorers driven by passion, relentless curiosity, and the desire to create a better world. Backed by 85+ years of unmatched scientific leadership, our solutions increase maritime weather awareness and drive innovation.

Vaisala AWS310 is a complete communication and weather observation solution that automatically measures, processes, and stores meteorological data. It includes sensors, electronics, telemetry, power supply, and mast – everything needed for a variety of maritime weather monitoring and forecasting applications.

The AWS310 can be customized to specific applications and operated as a stand-alone unit, or as part of a larger terminal weather observation network. With its ease of maintenance and the long-term Vaisala partnership and support you can depend on, the AWS310 is a powerful tool and an exceptional value over time.

Applications

- Ensuring safe onshore helideck operations with real-time wind and weather condition monitoring.
- Facilitating real-time port and coastal weather forecasting and accurate tracking of severe weather.
- Improving severe weather warnings and protocols to help minimize risk and maximize operations.
- Supporting operational planning and safety protocol reviews through stored long-term weather data.
- Real-time monitoring of critical warning states such as storms and river or tide levels.

