

Accurate Weather Measurement Made Simple

/ VAISALA AUTOMATIC WEATHER STATION AWS330



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Reliable Performance in All Weather Conditions

Accurate, reliable, real-time weather data wherever and whenever you need it – and whatever the weather: Vaisala’s innovative, market-leading environmental measurement equipment is designed to meet all your meteorological needs.

The Vaisala Automatic Weather Station AWS330 can be counted on to perform in all conditions – from the coldest polar climes to the hottest desert landscapes.

Easy to use, expandable, robust, highly reliable, and economical – these are just a few of the words that can be used to describe the Vaisala Automatic Weather Station AWS330. It’s the ideal choice whether you need an automatic station for measuring climatological and meteorological parameters or a manned synoptical observation station coupled with an observer’s workstation. Designed to meet the needs of meteorologists and scientific researchers alike, it provides all the required meteorological data while eliminating the inconvenience of complicated installations and incompatible devices.

Plug-and-Play Capability

The Vaisala Automatic Weather Station AWS330 is designed, manufactured, and tested to operate consistently and reliably from day one. Easy implementation begins with the initial requirement assessment and continues through to the standardized selection of options and rapid delivery.

Optional functionalities can also be integrated after the initial purchase as required. Upgrading the Vaisala Automatic Weather Station AWS330 with additional sensors is also easy, as the

Vaisala Automatic Weather Station AWS330 comprises:

- Tiltable pole mast
- Electronics enclosure
- Mains or solar powering
- Local and remote communications
- Sensors
- Mounting accessories
- Data collection and display software
- Service packages

plug-and-play interface enables data to be received immediately following installation. The modular design also helps to reduce overall operating costs by enabling quick replacement of individual components and making it possible for users to perform many service tasks themselves.

Superior Sensors

Accurate measurements begin with accurate sensors: the Vaisala Automatic Weather Station AWS330 incorporates a range of the highest



quality sensors that cover a wide array of meteorological measurement needs, following WMO guidelines in all measurements and calculations.

Heated versions are also available for mains-powered systems. The available measurements are:

- Wind speed and direction with ultrasonic or mechanical technology
- Atmospheric pressure
- Ambient temperature
- Relative humidity
- Precipitation intensity and accumulation
- Solar radiation
- Soil surface temperature
- Subsoil temperature
- Snow depth

In addition, several other parameters – such as evapotranspiration and heat index – are calculated from the primary measurements.

Transmit and Visualize Data Flexibly Using a Range of Media

Communications methods comprise Ethernet, GPRS, and GSM, enabling data transfer by e-mail, SMS, and FTP, for example. The weather station can also be connected to a local observer's workstation via a serial line. Data transmissions can be self-timed, based on user-set alarms, or polled by the user.

Measured and calculated values can be visualized using the PC-based Observation Display software. A local display module is also available for easy on-site monitoring.

Multiple Data Formats for Easy Integration

The Vaisala Automatic Weather Station AWS330's standard data output formats include the most common file formats in order to enable easy uploading of



Vaisala Observation Display

data to a common spreadsheet, GIS, or database software for further refinement and storage.

Power Supply Options

The Vaisala Automatic Weather Station AWS330 can be powered direct from the mains supply or from a solar panel. The large backup battery capacity ensures long autonomous operation during periods of little or no sunshine, or during prolonged power failures.

Quality Control is the Key

The Vaisala Automatic Weather Station AWS330 is built by professionals for professionals. Vaisala's trained technicians assemble and thoroughly test each unit at our factory following strict quality requirements and a certified quality management system.

Key Benefits:

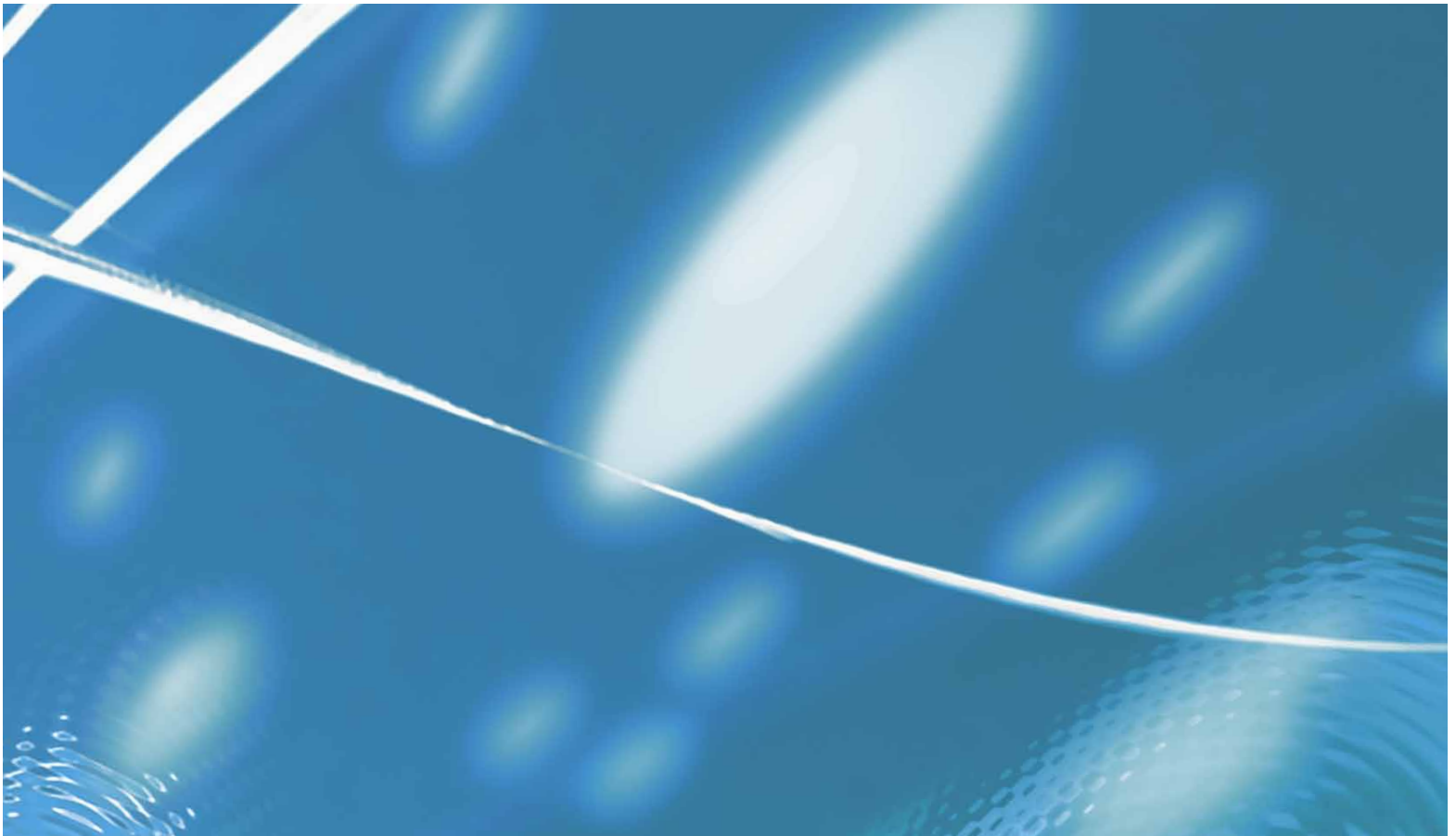
- Low total life cycle cost
- Simple plug-and-play interface
- High-quality sensors
- Easy to configure, operate, and expand
- Rapid delivery

Online Experience



The AWS330 Flash Configurator creates a real-time animation based on your choices. Configure your weather station online:

www.vaisala.com/AWS330



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www.vaisala.com

For more information, visit
www.vaisala.com/AWS330 or
contact sales@vaisala.com



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