

# VAISALA

## CONNECTED COMPACT STATION BWS500

### Track construction weather with the first true all-in-one weather station

#### In construction, weather affects everything.

*Will this precipitation affect heavy-equipment access?  
Are my crews scheduled correctly for a stormy week ahead?  
Are we in danger here?*

Generic weather apps and partial monitoring solutions provide readouts of someone else's data. This isn't good enough for construction.

Crews need two types of weather intelligence to maintain safety, efficiency, and compliance:

- Real-time, highly localized present-weather data
- Trustworthy forecasting

Vaisala Connected Compact Station BWS500 leverages a revolutionary environmental and weather intelligence platform that combines sensors, systems, and services in one plug-and-play product. Its highly accurate, trusted measurement technology delivers real-time data and forecasting through a modern, secure data pathway.

*You don't have to wonder about the weather anymore. BWS500 gives you the accurate data, trustworthy forecasting, and ease of deployment you need to stay safe, efficient, and on schedule.*

#### Deploy in minutes

- 1 Install the compact sensor unit and power supply almost anywhere
- 2 Connect to the user-friendly interface
- 3 You have your own secure weather observation network

#### Benefits for the whole project

- Improved efficiency, safety, and compliance
- Plug-and-play simplicity
- A future-proof, secure digital ecosystem
- The trust of the leading global partner

#### Weather parameters measured



Air pressure



Temperature



Humidity



Rainfall



Wind speed

#### Key features

- **Accurate, high-quality data** from proven, trusted Vaisala sensors
- **Compact, easy-to-deploy package** suitable for remote locations
- **A scalable platform** that extends from a single, compact station to a system-level solution
- **Remote access and service** with secure data communication
- **Flexible power options**, including solar panels for flexible installation at remote locations
- **Data visualization** and open API for third-party integrations

#### Why Vaisala?

##### World-class science and technology, now tailored for construction

Vaisala solutions are built on 80+ years of experience, global scientific leadership, and aggressive R&D investments. With customers in more than 170 countries (and with NASA on Mars), we are trusted to provide the best technology, dependable support, effective training, and end-to-end project management you need to succeed.

# VAISALA

Stay in command of the weather,  
not at its mercy.

Contact Vaisala for more information and to get started.

[vaisala.com/BWS500](https://vaisala.com/BWS500)