

# Automatic Weather Station AWS810

VAISALA

## Product Spotlight

### Providing trusted weather observations for a sustainable future

Empowering communities across the world to keep their citizens safe and secure.

The Vaisala Automatic Weather Station AWS810 enables modern, high-quality surface weather observation networks anywhere in the world. It is a comprehensive measurement, communication, and data monitoring solution that makes modern observation networks easy to create, manage, and maintain over a long lifespan.



## Key benefits

Excellent expandability & flexibility including compability with Vaisala or third-party sensors.

Secure communication protocols for Vaisala APIs & the customers' data collection interfaces.

Data Management Unit DMU801 providing unrivaled scalability & modularity.

Modern security architecture including secure boot and security-hardened hardware components.

High efficiency courtesy of advanced remote diagnostics & control, remote software & configuration downloads, and long calibration intervals.

Supports enhanced network management through sensor metadata, remote updates & remote configuration management (w/ Vaisala Network Manager NM10).

## Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

The World Meteorological Organization notes that community safety and well-being depend on global, 24/7 weather observations. Today there are large geographical gaps in availability, and many observations are either not made at all or not shared well enough.

AWS810 is a generational leap in the industry, enabling first-class surface weather observations, future readiness, plus a modern, secure, and integrated network architecture. It enables users around the world to easily integrate and manage a variety of sensors, and create efficient surface observation networks that provide high-quality, shareable, actionable data.

Enhanced by the open-design Vaisala Data Management Unit DMU801, AWS810 allows unprecedented flexibility and design freedom. It is a onestop, complete network solution that meets today's needs while enabling unmatched future-readiness.

## Applications:

- Real-time synoptic observation and monitoring of weather-critical events
- Continuous, traceable climatological data for a variety of agency, government, and research purposes

