

Automatic Weather Station AWS810

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



Key benefits

Excellent expandability and flexibility

With an ability to integrate more analog and digital sensors than anyone in the industry. AWS810 also provides a multitude of configuration and connectivity options, plus it can be integrated to virtually any current and future communication technologies.

Robust design

that has been tested against IEC safety and environmental standards to ensure durability, safety, and performance in the harshest of conditions.

Best-in-class security,

delivering superior data security mechanisms built into AWS810 hardware and software; protecting against security threats and unauthorized access.

Ease of remote maintenance,

allowing efficient management and maintenance of networks ranging from a few to hundreds of weather stations, thus providing outstanding lifetime value.

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.

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 one-stop, complete network solution that meets today's needs while enabling unmatched future-readiness.

Trusted weather observations for a sustainable future

Automatic Weather Station AWS810 at a glance

Applications

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

Key features

Excellent expandability and flexibility including compatibility with Vaisala or third-party sensors

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

Data Management Unit DMU801 providing unrivaled scalability and modularity

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

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

Supports enhanced network management through sensor metadata, remote updates, and remote configuration management (with Vaisala Network Manager NM10)

Vaisala: Trust and partnership

The industry standard in surface weather

One-stop provider of advanced weather network solutions, including AWS810. Our solutions' precision and dependability under the harshest conditions have been proven time and time again. AWS810 is built on the best, most dependable sensors available, and the DMU801's open design creates a generational leap for automatic weather stations.

Support you can count on

Look to Vaisala for dependable support, training, and project management so you can get the most from your equipment. With 85+ years of experience providing the best technologies and the finest support, Vaisala's philosophy of partnership is unmatched in the industry.



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