

Runway Weather Station RWS200

VAISALA

Product Spotlight

Providing trusted aviation weather from cloud to ground

Accurate and reliable weather intelligence to keep runways, taxiways, and ramps safe

Gain a comprehensive and actionable understanding of local weather conditions to prioritize safety, make informed decisions, and ensure mission-critical runways operate smoothly.



Key benefits

Intelligent tools, from anywhere: Sophisticated road-state analysis algorithms for ramp and runway condition analysis. Remote service features reduce downtime, and smart power logic ensures continuity in the event of main power failures. Receive data on the go and initiate software updates remotely via ethernet and cellular connections.

Multiple data export formats: Easily integrate data into other systems by formatting and saving data to DTO-XML, MES, DATEX II, and NTCIP.

Reference-grade measurements: Sophisticated analysis algorithms for ramp and runway condition analysis. Supported by comprehensive range of Vaisala weather and precipitation sensors.

Why Vaisala?

For over 45 years, Vaisala has been a pioneer in aviation weather technology, ensuring that every measure is taken for unparalleled safety, efficiency, and sustainability.

Our gold standard suite of solutions is trusted in more than 170 countries and over 2000 airports globally. In fact, every commercial flight around the world will use weather observations produced by Vaisala equipment or forecasts driven by our sensor measurements at some point in their journey.

With a commitment to constantly evolving our portfolio, Vaisala remains at the forefront of the industry, continuously exploring new horizons.

The RWS200 reference-grade weather station has been tested in the harshest winter weather conditions. It is highly configurable, easy to use, and supports intelligent system integration and operability. Its enclosure is also designed from years of experience in the field and careful materials analysis, ensuring the sensors and instruments remain unharmed at all costs.

A wide range of message format options ensures the RWS200 integrates easily with other technologies – like Vaisala AviMet® – and other systems.

Applications for runways

- Continuous reference-grade weather data supports better outcomes for airport winter maintenance.
- Accurate airport runway condition intelligence for up-to-the-minute runway safety critical treatment decisions.

Access comprehensive and critical weather data:

- Humidity, temperature, and dewpoint
- Road surface and air temperatures
- Rain accumulation and precipitation
- Road surface state assessment
- Visibility and present weather
- Wind speed and direction
- Water and snow depth
- Solar radiation

