

Weather Radar WRS300 for meteorology

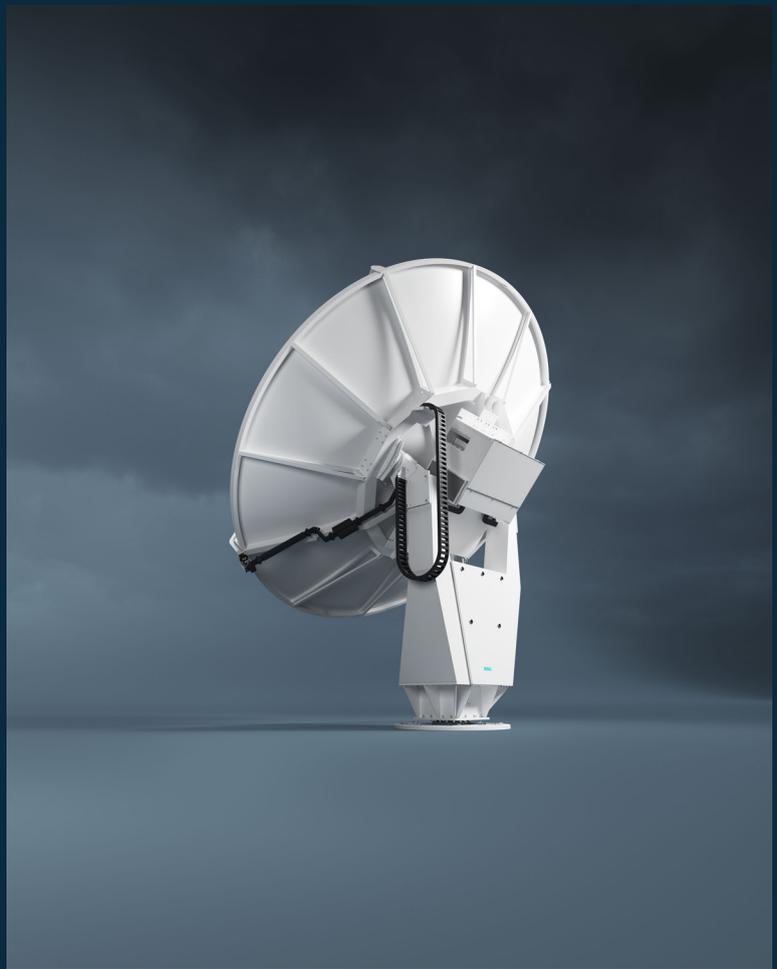
VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

Cutting-edge C-band radar
technology for high-performance
weather surveillance and smart early-
warning decisions

The future of weather radar design is
here. And it's Solid.



Key benefits

High-quality data with over 99% availability.

Industry-leading data processing for precipitation estimation and hydrometeor classification.

Built to work 24/7 in a wide variety of extreme, demanding conditions.

Comprehensive coverage with fully integrated & optimized radar networks using both X- and C-band radars.

Measures various characteristics of weather and enables high-resolution weather forecasting with short lead times.

Dual polarization delivers exceptional accuracy and sensitivity for more precise, higher resolution weather information.

Simple deployment offers simple site selection with quick and easy installation plus integration into existing networks.

Remote operation and automatic, continuous calibration reduce site visits and maintenance. Easy installation and calibration ensures no surprises and low lifetime cost.

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.

Severe weather is part of our world – and the frequency and severity are increasing with changes to our climate. We cannot control the weather, but we can reduce its impact on vulnerable communities.

The Vaisala Weather Radar WRS300 redefines weather detection with high performance and exceptional accuracy in an integrated, low-maintenance package for improved prediction of and preparation for adverse weather. The newest addition to Vaisala's solid state weather radar family, the C-band weather radar combines Vaisala's industry-leading data processing to excel at delivering high-resolution weather forecasting information that differentiates between snow, hail, sleet, graupel and rain.

As a stand-alone solution, the C-band weather radar covers large areas. Paired with the X-band radar—which provides unparalleled short-range coverage—decision-makers get the most comprehensive intelligence in the industry.

Our commitment to solid state technology, compact architecture, and built-in redundancy with no consumables provides the most sensitivity to deliver exceptional accuracy at optimized life cycle cost.

