

Vaisala Upper Air Radiosondes

Providing high-quality atmospheric sounding data for the most accurate weather forecasting



Better weather prediction has far-reaching socioeconomic benefits. Upper air soundings help provide a complete atmospheric weather profile, which weather organizations use for the most accurate weather forecasting.

The Vaisala family of upper air sounding devices provide world-class data and are known for their accuracy, reliability, and ease of use.

Vaisala radiosondes provide upper air weather measurement data including temperature, humidity, pressure, and wind. Our line of radiosondes offers various measurement parameters, sensor technology, and transmission methods to suit different applications — all to provide what matters: the most accurate, dependable, and high-quality data available.

The Vaisala Radiosonde RS41-SG and Vaisala Radiosonde RS41-SGP are tailored to the needs of meteorological institutes and other organizations.



Accurate
The most accurate
weather data available

Reliable
High-quality measurements
of temperature, pressure,
wind, and humidity

Rugged
Consistent performance
in demanding weather
conditions, at each launch

Vaisala RS41 radiosondes are trusted by meteorological institutes and other organizations worldwide for delivering industry-leading data accuracy. The Vaisala radiosondes streamline launch preparations, reduce human errors, and lower operational costs of upper-air weather observations.

Both the RS41-SG and RS41-SGP models provide superior PTU and wind measurement performance, automated ground checks, GPS data, and add-on sensor connectors — all in a robust and easy to use design.

Key features

Radiosonde RS41-SG

- Excellent for synoptic soundings
- Temperature and humidity sensors
- GPS height, pressure, and wind data
- Automated ground checks
- Standards-compliant, stable narrow band transmission

Radiosonde RS41-SGP

- Excellent for sensor based pressure needs
- Temperature and humidity sensors
- GPS wind direction and speed
- Automated ground checks
- Sensor-based pressure and height
- Standards-compliant, stable narrow band transmission

Why Vaisala?

Trusted expertise

Weather agencies, meteorologists, and other organizations have trusted Vaisala for decades to provide accurate weather measurements that enable greater understanding of our climate and environment. Our expertise is built on more than 80 years of fact-based observation and proven field testing.

Support you can count on

With our deep understanding of the challenges faced by weather professionals, you can count on Vaisala for dependable support, training, and project management based on best practices. With decades of experience providing the best technologies and expert know-how, Vaisala's philosophy of partnership is unmatched in the industry.

Forward thinking

Through innovation, continual industry investment, and an innate curiosity, Vaisala strives to produce high-quality and dependable measuring solutions that provide observations for a better world.

Trusted weather observations for a sustainable future

VAISALA

vaisala.com/soundings



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