

Vaisala AUTOSONDE® AS41

VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

Get the most accurate, reliable, and dependable automatic sounding system available.

Upper air soundings are essential for a complete atmospheric weather profile that enables accurate forecasting. Manually operating sounding stations in remote locations is difficult and expensive, however, especially during harsh weather.

The Vaisala AUTOSONDE® AS41 is the world's #1 automatic sounding system, providing unparalleled data accuracy, dependability, and reliability.



Key benefits

The upper-air observation system allows for synoptic and adaptive use.

The balloon accepts hydrogen or helium, and only needs reloading once every four weeks.

Control and configure the Autosonde AS41 remotely.

A user-friendly interface supports easier system diagnostics, paired with controlled access for improved operational safety.

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 AUTOSONDE AS41 is designed to provide round-the-clock sounding data accurately, reliably, and dependably – even in the harshest conditions and most remote locations. Thanks to its fully automated sounding operations, there is no need for in-person data collection. It also saves money and time: more than 1,800 staff hours each year compared to a manually operated sounding station.

The AUTOSONDE AS41 works seamlessly with the Vaisala Radiosonde RS41. The Radiosonde RS41 features world-leading data accuracy, with advanced temperature and humidity sensors that ensure dependability.

Carefully tested in the harshest conditions

Vaisala AUTOSONDE stations have been successfully tested with over 1,000 test soundings in the toughest conditions in the world, including Vestkapp in Norway and Porkkala in the Gulf of Finland. The sounding stations are proven to work at the highest level of continuous operational efficiency and reliability with zero downtime.

Comprehensive support services

We build a service level that perfectly meets your requirements. To establish your automatic sounding station, we can provide project management, installation, training, acceptance testing, engineering and consulting.

We maximize the lifetime value of your equipment with maintenance contracts customized to the Vaisala equipment you own. We perform and keep track of scheduled maintenance, send spare parts, take care of software upgrades, and always offer priority care to ensure that the highest-quality data is available when you need it.

