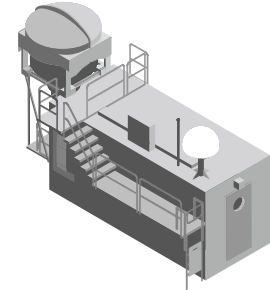


## Vaisala AUTOSONDE® AS41

The most accurate, reliable, and dependable automatic sounding system available



### Key benefits

#### Provides the highest quality data

- Uses world-class Vaisala RS41 Radiosonde and Vaisala MW41 Sounding System
- Eliminates human error with automatic ground checking
- Fully comparable performance to Vaisala manual sounding.

#### Cost efficient

- Saves 1,800 on-site staff hours per year
- 1 - 2 months capacity with 60 radiosonde trays
- 4 months of controlled storage capacity for unloaded consumables

#### Reliable in all conditions

- 24/7 accuracy and dependability in the harshest conditions
- Advanced self-diagnostics
- Maximum data availability through remote monitoring

#### Safer and easier to use

- Fulfills common European guidelines (ATEX, Machinery) for safe working environments
- Gas lines are always located outside the container
- Provides clear visual instructions and an intuitive interface

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.

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.

## Key features

- Upper-air observation system for synoptic and adaptive use
- Uses proven Vaisala Radiosonde RS41 and Vaisala MW41 Sounding System
- Reloading needed only once every four weeks
- Balloon filling with either hydrogen or helium
- Remote control and configuration
- Controlled access for improved operational safety
- User-friendly interface supports easier system diagnostics

## Why Vaisala?

### Trusted expertise

Weather agencies, meteorologists, and other organizations trust Vaisala for accurate weather measurement technology that enables greater understanding of our changing climate and environment. Our expertise is built on more than 80 years of fact-based observation and proven field testing.

### Dependable support

Look to Vaisala for customizable support, training, and project management so you can get the most from your sounding equipment. With decades of experience providing the best technologies and the finest support, 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.

## 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.



*Trusted weather observations for a sustainable future*

# VAISALA

[www.vaisala.com/soundings](http://www.vaisala.com/soundings)



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