



Measurement quality

/ MEASUREMENT INSTRUMENTS FOR SMALL CONTROLLED ENVIRONMENTS



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www.vaisala.com

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A quality chamber starts with quality measurements



Choosing the right measurement products for your chamber – where monitoring and controlling of precise environmental conditions are crucial – can be a real challenge.

Relying on Vaisala's long experience in environmental measurement and our specific expertise in chamber measurement technology means you're assured of getting state-of-the-art equipment that guarantee smooth chamber production and

minimized maintenance needs. Our products are delivered reliably and they are easy to install.

Vaisala products are designed to fit your chambers perfectly – both physically and electronically – and

perform as specified from the day they are installed, and well into the future.

We design our instruments specifically to improve your product performance and your competitiveness.

Our products provide reliable measurements of the demanding conditions inside any small controlled environment created by your chamber. Our sensors

remain in specification with minimal calibration over the lifetime of your system.

The end result is high productivity and product quality for your customers, and thus lower lifecycle costs for them.

Our expert services are available wherever you are. [We invite you to contact us.](#)





How glitch-free would you like to be?

Solutions optimized for productivity and profits

Everyone's looking for ways to make their production process smoother and less prone to disruptions. Glitches of any sort create needless bottlenecks and other inefficiencies that reduce quality and productivity. Minimizing them makes for satisfied, more successful customers. As your partner, Vaisala's commitment is straightforward. We'll deliver the products you need, on time, performing as promised – and seamlessly supported by our global service to everywhere.

What's customer satisfaction worth to you?

More reliable chamber operation

With Vaisala technology and service backing your chambers you can be confident in their performance. And that makes your benefit crystal clear: an even better reputation with your customers.

Less maintenance needed

Stable and reliable measurement instruments mean the need for maintenance decreases. That eases the pressure on your organization, freeing it to focus more productively.

Higher productivity

With Vaisala's latest technology your customers' chambers are up and running with minimal downtime. This means higher productivity for them.

Performance you can rely on

Reliable measurement is key to any chamber's performance. Our offering is clear-cut: leading edge technology for measuring humidity, dewpoint, CO₂ and more, that ensure your chamber's excellent performance.

Quick and reliable deliveries

You can be confident that we'll deliver just what you ordered, reliably and quickly.

Easy installation and maintenance

We provide you with instruments that are simple to install, plus tools for easy calibration and maintenance, like handhelds.

Local support – globally

Whether you need service, calibration, purchasing support or simply need to discuss your measurement needs, we're there for you locally – across the globe.

Versatile solutions to suit your specific needs

We can offer chamber manufacturers everything from simple modules and inexpensive solutions to entire self-contained systems.





A wide range of use environments

Today Vaisala is the supplier of the world's leading edge technology for measuring humidity, dewpoint, CO₂ and more.

We offer chamber measurement instruments for a wide range of demanding technical environments. While all our instruments have been developed to perform exceptionally well in specific environments, what each instrument has in common is the need for less calibration and maintenance than other solutions.

Whatever your environment, our instruments are designed for maximum long term stability and are proven successful – as demonstrated by our large base of satisfied customers.

■ Environmental test chambers

Vaisala offers measurement instruments with excellent long term stability within a wide variety of environmental conditions. Our instruments perform with unsurpassed quality under the most demanding of simulated conditions.

■ Incubators

Vaisala offers measurement instruments for various types of incubators. They are designed to accurately measure and control such variables as humidity, temperature and CO₂. Our measurement technologies enable stable and reliable incubator operation and rapid response times for cycled incubation.

■ Stability chambers

For stability chambers used in pharmaceutical stability testing the measurement and control of specific variables – in particular humidity and temperature – must be very reliable and perform with excellent long-term stability. Vaisala measurement instruments are designed to deliver glitch-free operation for stability chambers.

■ Glove boxes / isolators

Our dewpoint and humidity instruments can consistently deliver accurate measurements for your glove box/isolator. The quality of end products is ensured by the precise display of dewpoint/RH under targeted conditions. Additionally, our sensor purge feature is ideal for harsh environments, and overall

long term stability means less maintenance.

■ Semiconductor tools

Semiconductor tools provide high-end yield when equipped with Vaisala's accurate instruments. Their proven durability is highly important for users due to the high costs of downtime.

■ Sterilizers

The durability of Vaisala sensors for different sterilizing or decontamination methods delivers the highest yield, with less worry about malfunctions at crucial moments.

Vaisala – right at the heart of it

Curiosity, the desire to meet challenges and an extraordinary ability for innovation are at the heart of the company – both past and present. Through the years our expertise has grown to include three business areas:

Controlled Environments serving industrial customers whose primary interests are in operational quality, productivity and energy savings.

Meteorology serving national meteorological and hydrological institutes whose primary interests are the safety and well being of people and the safeguarding of property.

Weather Critical Operations serving operators and authorities whose primary interest is the safety and effectiveness of operations under all weather conditions.

Curious? Learn more about Vaisala at vaisala.com

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