



# Ellab Wired Validation Solution

Be confident in your compliance with a reliable wired validation solution.

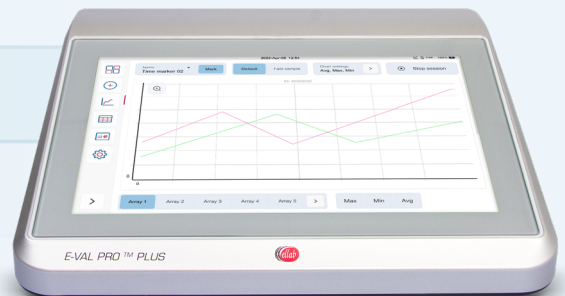


Reliable

Versatile

Efficient

Compliance with Confidence



Together we Build Confidence in Consumer Safety

# Need to Know if Your Processes Are Safe and Compliant?

Reduce the risk to your biopharmaceutical products and go beyond compliance with Ellab's wired validation solution, E-Val™ Pro Plus. With our advanced technology, you'll receive precise measurements, thorough analysis, and comprehensive reporting to ensure your processes are fully compliant and your products are safe.

## Giving You the Next Generation of Wired Validation

Here's what you can expect with a wired validation solution from Ellab:

- Complete compliance with FDA, GAMP, and internal regulations.
- Faster time-to-market and more uptime.
- The end to data gaps and having to redo studies.
- Full sensor traceability and replaceability without compromising calibrations.
- Plug-and-play thermocouples with less drift.
- Elimination of manual tasks through automated setup, analysis, and reporting.
- Clear pass/fail indications.
- Purchase, rental, or service options as well as possible SOP rewrites.
- And much, much more...



## A Wired Validation Solution for Any Application

Regardless of whether you're working with autoclaves, SIP, ovens, liquid nitrogen, or freezers, you can reliably verify the performance of your biotech and pharmaceutical processes with our wired validation solution.

Designed to be flexible and scalable, you can tailor your E-Val Pro Plus setup to support your specific needs.



# Optimize These 3 Key Areas of Your Valuable Processes

1



## Defining and Setting Up Your Session

Make it easier to define exactly what you need for a successful validation and drastically reduce your setup times with user-friendly UI, session templates, quick start option, and a plug-and-play solution.

2



## Running Your Session

Stay up to date with a live table or graph view of individual sensor measurements and avoid redoing studies with password protected modules that are safe from intervention.

3



## Analyzing and Reporting Your Findings

Save time and ensure compliance through automatic audit trails, analysis, and reporting with clear pass/fail criteria, keeping your processes reliable, stable, and audit ready.

# How a Wired Validation Solution Can Increase the Efficiency of Your Processes?

Want faster, simpler, and more reliable processes? Our wired validation solution eliminates delays, manual tasks, and is easy to set up. We help ensure you an increase in up-time and accelerated time-to-market for your processes through a user-friendly interface and automatic analysis and reporting.



## Accelerate Your Time to Market and Reduce Downtime

- Speed up your wired validation with quick start-up and the ability to set time markers, conduct tests, and change views during studies.
- Manage validation equipment directly in cleanrooms with fan-free module access.
- Automatically analyze and report your findings with clear pass/fail indicators.
- Easily set up your entire solution with plug-and-play modules, software, and thermocouples.
- Get all the data you need from a session with 52 measuring points per module, and the option to include more modules or data loggers to the same study.
- View sensor measurements and serial numbers directly on your module with live overview.
- Quickly set up studies with session and report templates, so you only have to define what you want once.

## Developed Through Your Constant Feedback for Optimal Performance

The biggest time-saver for wired validation without a doubt comes through having a complete and comprehensive software solution. Our ValSuite® package was designed through constant feedback and dialogue with our users to create the best validation experience possible.



# Achieve Compliance with Confidence by Removing Grey-Areas and Doubt

With Ellab's tools, you can rest assured that every part of your validation process will meet compliance requirements.

Our wired validation solution allows you to reliably analyze and report on your critical processes, without the risk of data manipulation or gaps.

Experience complete documentation of your processes so you know they're effective and good to go.



## Ensuring Compliance at Every Step of the Way:

At the core of the validation process lies compliance. Without it, it is impossible to verify whether your valuable treatments are safe for use, which is why we help you ensure compliance through:

- Centralized database of all aspects of your validation requirements and results.
- Saved and stored data that eliminate the risk of data loss.
- Password protection, Windows authentication, and defining rights to effectively manage risk and user access.
- FDA 21 CFR Part 11 compliance through digital signatures and automated audit trails.
- Compliant with GAMP and internal regulations.
- Fan-free design for cleanroom compliance
- Internal back-up battery to safeguard your data and continue measuring in case of power failure or unplugging of the device.
- AD support through either local or client/server solution.



# A Versatile Solution for All Your Wired Validation Needs.

Validation can be a puzzle, with many parts involved: sensors for measuring, fittings for pinpointing measurements, and software for analyzing and reporting data.

With our wired validation solution, you get everything you need in one place. Whether you need to measure different ranges and parameters or maintain chamber integrity, our solution has you covered.

## Wired Validation of All Relevant Parameters

Our thermocouples are highly accurate and designed to last longer and drift less than any others on the market. With cold junction compensation, individual ports, and single measuring points, you can trust them for reliable readings.

Combine this with our wired validation solution's sensor interface and support for all thermocouple types, and you can measure a wide range of parameters, including:

- Temperatures from -270 to 1820°C
- Pressure & vacuum
- Relative humidity
- CO2
- Digital inputs/outputs

## Wired Validation of All Relevant Parameters

A sensor is only as great as its placement. Ellab fittings and accessories provide accurate measuring points through fixtures, gaskets, clamps, and feed-throughs, ensuring reliable readings and chamber integrity.

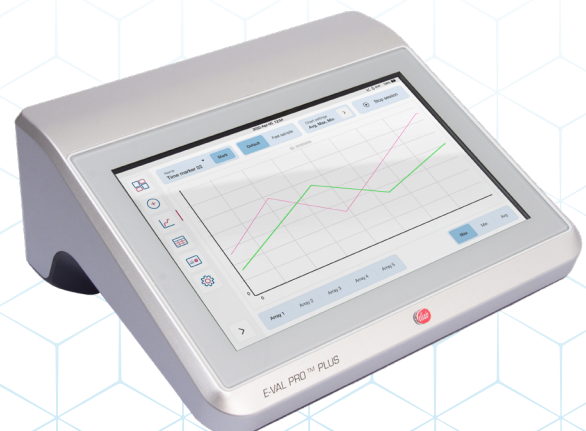
## Everything Validation Under One Roof

If you want a centralized platform for all your validation processes, then you got it. The software aspect of our wired validation solution allows you to mix data loggers into your studies along with your thermocouples, and even perform user calibrations.

It serves as a complete database that gathers, analyzes, and reports on your crucial data all in one go.

## Keeping Your Measurements Accurate with Reliable User Calibration

Easily perform user calibrations that are traceable to the individual thermocouple, so you'll know exactly which are good to go - allowing you to effortlessly plug in calibrated replacements whenever you need.



# Keep Your Processes Running Smoothly & Reliably with the Right Wired Validation Solution

Validation can be a complicated process, but with Ellab's wired validation solution you'll have the assurance of reliable and accurate results. Get rid of manual tasks and delays at every step of the way and experience full data integrity and complete documentation of your processes.

With Ellab's all-in-one wired validation solution, you'll get to enjoy an increase in up-time, accelerated time-to-market, and enhanced product safety.



## Get Your Wired Validation Solution Exactly the Way You Want It

If you'd like to step into the future of wired validation, you can do so on your own terms. Want a free demo or a longer test period? Or perhaps you need validation engineers for your studies? You can have it exactly as you want either way:



Get a free demo of our wired validation solution



Rent our wired validation solution for a period and try before you buy.



Purchase our wired validation solution for complete ownership.



Hire validation engineers to use our wired validation solution.



Get our experts to rewrite your internal SOPs.

## One Solution, One Partner

Whatever you need for your validation, monitoring, and GMP processes can all be found in a single partner. At Ellab, we develop and produce validation and monitoring equipment, and offer CQV, field calibration, and consulting services across the globe.

Go beyond compliance; streamline your processes and make them more efficient than ever with a single-source provider of everything you need to verify the safety of your products.



## Read More on Our Website



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Publ. no. EVP-Plus/09042024



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