

LOOP-PRO TUNER

Simplifies PID Controller Tuning

Handles Noisy, Oscillatory Data

Supports All Major PID Algorithms



Monitoring Solutions

Staying on top of performance issues and prioritizing corrective actions can be challenging.

PlantESP™ makes it easy.

Tuning Solutions

Noise, oscillations and other common process dynamics cause most tuning products to fail.

LOOP-PRO™ is different.

Service Solutions

Improving your staff's capabilities and optimizing your plant's processes can be challenging.

Our experts can help.

The Problem:

Most tuning products are hard to use. They restrict the type of data that can be used, and even then they struggle to calculate an accurate model of a loop's dynamics. Without a good model you can't calculate the right parameters and you certainly can't tune for optimal performance. With so many limitations these products fail to function effectively with most real-world applications.

The Solution:

LOOP-PRO is unlike any other PID controller tuning software. It makes it easy to tune PID control loops. Equipped with a proprietary data modeling capability, LOOP-PRO is the only software that accurately models oscillatory and noisy process data. It handles long dead-time with ease. It functions equally well in open-loop as it does in closed-loop. LOOP-PRO has proven its value time and again in all manner of industrial applications — not just level control. Its powerful modeling capability is matched by its intuitive design, equipping users with a simple procedure that delivers consistent results.



Tune with confidence and consistency:

Follow our simple 6-step procedure for optimizing PID controllers. Utilize intuitive graphics to guide your decision-making process. Perform fewer bump tests and achieve reliable, consistent results.



Tackle your most challenging loops:

Improve control using your plant's everyday dynamic data. Capitalize on the software's proprietary method for modeling noisy, oscillatory process data. Finally tune control loops with long Dead-Times.



Tailor your controllers' performance:

Optimize PID performance with helpful simulations and analytics. Compare before-vs-after analysis of loop responsiveness and stability. Refine parameters to meet your loop's unique control objective.

Standard:

Supports the online and offline tuning of your chosen OEM.

Plus:

Adds loop analytics and offline tuning of all major OEMs.

Premium:

Also includes online controller tuning for additional OEMs.

Does your software make it difficult to tune PID controllers?
LOOP-PRO makes it easy.

Simplified step-by-step procedure:

- Recipe-based approach assures simple, repeatable process.
- Use interactive tabs to update analysis and refine tunings.
- Launch multiple instances for concurrent tuning sessions.

Integration with leading OEMs:

- Connect "live" to the process via one or more major OEMs.
- Operate controllers in either open-loop or closed-loop.
- Convert model parameters to tuning values automatically.

Innovative modeling capabilities:

- Accurately model highly dynamic, real-world process data.
- Support both integrating and non-integrating processes.
- Compare and contrast dynamics with multi-model feature.

Detailed session documentation:

- Automatically generate tuning reports with each session.
- Capture underlying test results, modeling, and analysis.
- Maintain a history of all previous PID tuning parameters.

