

LOOP-PRO™ PRODUCT SUITE

Easy to use PID diagnostic and optimisation technologies ideal for process control applications such as brewing.

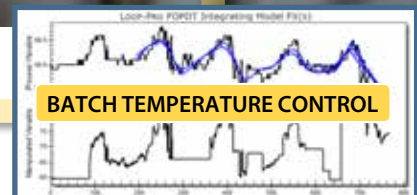
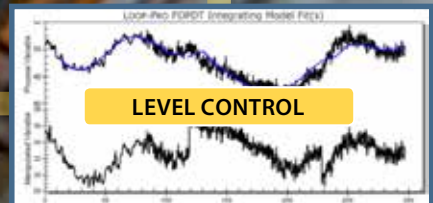
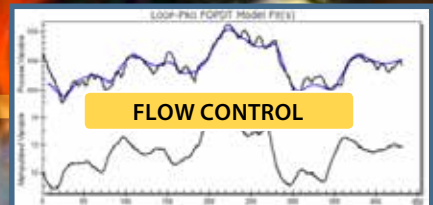
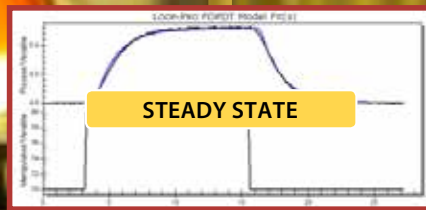
AUTOMATION SYSTEMS



- Performance Improvement Technology
- Maximising Your Process Optimization Initiatives
- Simplifying Process Optimization
- Enhancing Your Automation Investments

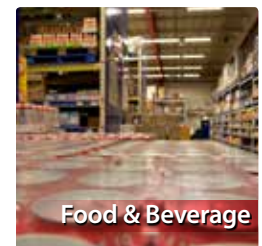
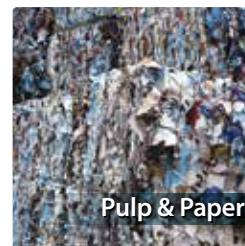


Any software can tune data that starts from a steady-state ...



LOOP-PRO has proven a unique technology with exceptional application value and is the only tuner that can tune transitional and noisy data.

LOOP-PRO is widely used across the process industries by leading manufacturers inclusive of the following industries.



LOOP PRO™ Product Suite

Exclusive to LOOP-PRO™ the NSS Modeling Innovation allows users to accurately tune both transitional and noisy process data.

The LOOP-PRO™ Product Suite is software technology used for effective and efficient loop optimisation. This revolutionary technology offers practitioners significant improvement over other PID tuning softwares and traditional trial-and-error methods.

Equipped with patent-pending modeling capabilities, LOOP-PRO applies an intuitive and graphic procedure to the analysis and correction of complex process control challenges.

In fact, LOOP-PRO™ is so easy to use that optimisation is possible in a matter of minutes. The power of this technology is found in its stability, accuracy, and unique non-steady state modeling capabilities.

The Difference: Non-Steady State Modeling Innovation

LOOP-PRO™'s unique Non-Steady State (NSS) Modeling Innovation is a patent-pending capability that is ideal for use with both continuous and batch processes.

The NSS Modeling Innovation eliminates the need for steady-state operation during testing. This results in faster tuning of PID controllers, less production downtime, and better use of production inputs. Users no longer need to worry about slowing production or sacrificing quality while improving performance.

LOOP-PRO™ can tackle the most challenging of processes and enable you to enhance plant profitability.

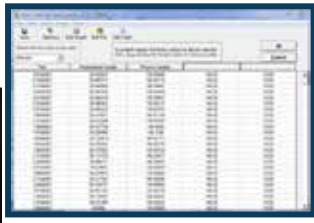
Most plant environments are dynamic and highly complex.

LOOP-PRO™ with NSS equips users with an equally dynamic and easy-to-use solution for tuning PID controllers and optimizing plant profitability.

LOOP PRO™ Product Suite

Your processes are dynamic and difficult.
Your optimisation technologies shouldn't be.

01



ACCESS YOUR DATA

- Import data directly from your PLC, DCS or data historian using standard data formats such as .csv, .txt, .xls, etc.
- As an alternative, use LOOP-PRO's integrated OPC client to access data in real-time directly from your facility's OPC servers.
- Manipulate data with the help of standard and familiar spreadsheet functions.

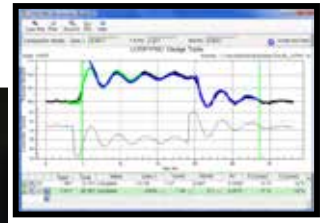
02



SELECT PROCESS MODEL

- Choose the default Self-Regulating process model and leave it to LOOP-PRO's built-in heuristics to ferret out any integrating characteristics.
- Choose the Integrating process models if you know you're dealing with an integrating loop or if instructed by the software.
- Either way, have confidence knowing that LOOP-PRO is on the watch.

03



VALIDATE MODEL FIT

- Visually verify the "fit" of the process model and assure an accurate description of your process data.
- Zoom in on critical sections of data and see how process dynamics are accurately captured.
- As an option, adjust the model parameters – Gain, Time Constant, and Dead-Time – and tailor the response to suit your specific needs.



AWARD-WINNING VALUE

Chemical Processing Magazine bestowed the Vaaler Award on the LOOP-PRO™ Product Suite for dramatically improving the operations and economics of plants in the chemical industry.

04



CHOOSE YOUR CONTROLLER

- Select from LOOP-PRO's comprehensive library of pre-configured industrial PID controllers.
- Reduce time and eliminate risk with automatic calculations of complex algorithms.
- If your PID controller is not listed, provide Control Station with the associated documentation and have the controller added within 24 hours at no charge.

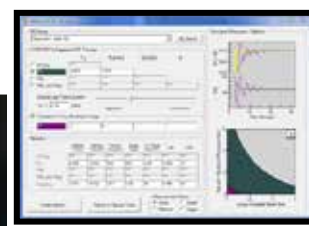
05



ADJUST FOR RESPONSIVENESS

- Shift the slider bar left and right, and customize the responsiveness of your controller.
- View a graphic simulation of the controller's response for P-Only, PI, PID, and PID with Filter options.
- Choose tuning parameters that match your unique control objective.

06



REVIEW YOUR KPIS

- See how the performance of LOOP-PRO's proposed parameters compare to your original tuning parameters.
- Assess descriptive statistics and other Key Performance Indicators (KPIs) provided for your reference.
- Assure the stability of your process with easy-to-understand, color-coded alerts.



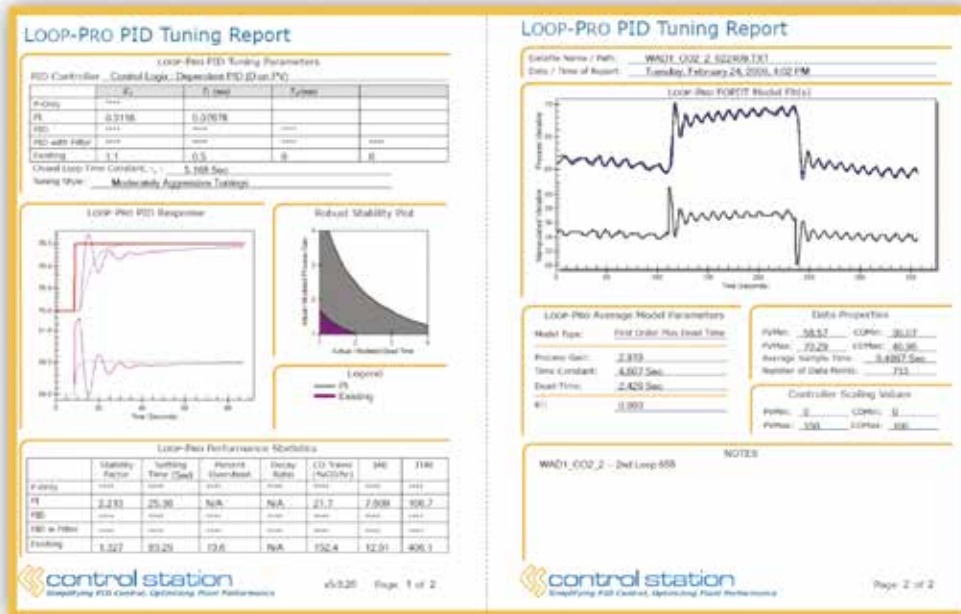
AWARD-WINNING SIMPLICITY

Readers of Control Engineering Magazine bestowed the Engineers' Choice Award on the LOOP-PRO™ Product Suite highlighting the technology's ease-of-use and practicality as a PID optimisation solution.



LOOP PRO™ Product Suite

Documentation – One More Valuable Feature



LOOP-PRO makes it easy to document all analysis performed while tuning PID controllers.

With customizable reports and an editable Notes section, users can log unique characteristics about a given process and record them for future reference.

Like LOOP-PRO itself, all reports capture graphic details and relevant statistics that are easy to understand. Among the information recorded are the following details:

- PID Controller
- Simulated PID Response
- Robustness & Stability Analysis
- Performance Statistics
- Model Fit(s)
- Model Parameters
- Data Properties
- Controller Scaling Values





LOOP PRO™ Product Suite

Control Station Part Number

AB

OEM:
Rockwell Automation (AB)

LPT

Product name:
Loop-Pro Tuner (LPT)

S

Product type:
Standard (S) Plus (P)

N

License type:
Node (N) Floating Site (FS)
Enterprise (E)

Product	Part No.	Description
Single Work Station: Loop-Pro Tuner (Allen-Bradley® edition)	ABLPTS-N	Perpetual node license for installation on and use from a single computer workstation. Supports all Rockwell Automation branded controllers. Maintenance and support provided for one (1) year from date of license issue.
Single Work Station: Loop-Pro Tuner Plus (Allen-Bradley edition)	ABLPTP-N	Perpetual node license for installation on and use from a single computer workstation. Supports all Rockwell Automation branded controllers. Includes advanced statistics package. Maintenance and support provided for one (1) year from date of license issue.
Site Licenses: Loop-Pro Tuner (Allen-Bradley edition)	ABLPTS-FS	Perpetual SITE license for installation on a shared network drive and accessed from computer workstations on the computer network at a particular SITE. Supports all Rockwell Automation branded controllers. The SITE License comes with unlimited amount of active users. Maintenance and support provided for one (1) year from date of license issue.
Site Licenses: Loop-Pro Tuner Plus (Allen-Bradley edition)	ABLPTP-FS	Perpetual SITE license for installation on a shared network drive and accessed from computer workstations on the computer network at a particular SITE. Supports all Rockwell Automation branded controllers in an Online environment, as well as, all other major PAC/PLC/DCS OEMs in an Offline environment and includes the advanced statistics package. This SITE License comes with an unlimited amount of active users. A SITE is defined as one physical location. Maintenance and support provided for (1) year from date of license issue.
Enterprise (Multi-Site) Licenses: Loop-Pro Enterprise License	CS-LPEN-A	Perpetual Enterprise Network Anchor License for installation on a company-wide network drive and accessed from any computer workstations that can access the company-wide network to check-out or check-in a license. Maintenance and support provided for one (1) year from date of license issue.
Enterprise (Multi-Site) Licenses: Loop-Pro Enterprise License (Allen-Bradley edition)	AB-LPTS-A	Perpetual Activation for Enterprise Network Licensee. Supports all Rockwell Automation-branded controllers in an Online and Offline environment. Maintenance and support provided for one (1) year from date of license issue.
Enterprise (Multi-Site) Licenses: Loop-Pro Enterprise License (Allen-Bradley edition)	AB-LPTP-A	Perpetual Activation for Enterprise Network Licensee. Supports all Rockwell Automation-branded controllers in an Online environment, as well as, all other major PAC/PLC/DCS OEMs in an Offline environment and includes the advanced statistics package. Maintenance and support provided for one (1) year from date of license issue.

Maintenance and support program: Maintenance and support following first twelve (12) months
 Extended 1 year (18% off product list): i.e. product list price x .18 x 1 (year)
 Extended 2 years (16% off product list): i.e. product list price x .16 x 2 (years)
 Extended 3 years (13% off product list): i.e. product list price x .13 x 3 (years)

Example part number written: ABLPTS-N
 GST not included





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