APROMON is a Control Loop Performance Monitoring Tool that is exceptionally fast to setup and easy to learn thanks to its intuitive user interface. It continuously monitors the performance of all types of primary and advanced control loops. It generates daily reports and also sends online alerts upon detecting control problems. It has a unique power to convert the performance of any type of controller into a single “grade”, just like the grade given by a professor to his students. Works on very fast PID loops in compressors or very slow PID loops in distillation columns. An excellent tool for any industry.

Benefits of using APROMON:
- Monitor the performance of your plant 24/7.
- Improve your plant’s profitability.
- Increase process stability and safety by identifying and prioritizing ill-tuned loops and malfunctioning actuators.
- Configurable to generate the alerts and regular reports that you desire. See how your plant’s performance evolves.
- Reduce raw material and energy consumption by identifying andremedying oscillating loops.
- Much faster to install and configure than competitor products.
- Increase efficiency and effectiveness of process control engineers and technicians. APROMON helps them focus on what matters most.
- Benefit from low total cost of ownership of APROMON thanks to its ease of use.

APROMON calculates over 25 Control Criteria for every PID loop in the plant; see list below:

- Integrated Error
- Error Squared
- Control Error Deviation
- Control Tightness
- Imbalance
- Skew
- Unstable
- Hunting
- Spectrum
- Noise Level
- True Amplitude Display
- Variance
- Standard Deviation
- Cascade PID criteria
- Frozen Signals
- Intervention
- Rope Length
- Vacillation
- Spike OP
- Spike PV
- Crimp
- Onstream Factor
- Operator Cheating
- Output Saturation
- PV Saturation
- PP, PPK [Statistical Criteria]
- Multivariable Control Criteria

APROMON has the best Online Oscillation Detection algorithm. It works amazingly well even amidst complex noise, drifts and disturbances. Use it to implement online alarms and ADAPTIVE CONTROL inside the DCS or PLC.

APROMON helps them focus on what matters most. 

Contact: PiControl Solutions LLC
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Online Process Control Monitoring is a rising, new field. Plants can be run more efficiently with modern online control monitoring tools.

As much as US $300K to $2 million/year recurring savings can be realized by modern control monitoring software tool like APROMON.

APROMON PID Control Quality Monitoring software generates a report automatically everyday, identifying the worst PID control loops.

APROMON allows process control engineers to quickly focus on the loops deserving the most attention. APROMON helps to quickly identify control problems and helps to restore the control quality of the affected control loops.

With APROMON, you can increase plant throughput, push the plant closer to operating constraints, improve plant’s profit margin, increase engineer/technician productivity, stabilize plant operation, improve plant reliability and safety.

Simple User Interface!
Quick and Easy to Install (4 hours)!
Only 70 pages User Manual!

Competitor products take 3–4 weeks to install, configure and use. Competitor software is complex with 1000s of pages of user manuals. In contrast, APROMON is most user-friendly and practical. Start seeing plant benefits in a week!

APROMON’s Spectral Frequency Distribution Chart aids powerful diagnostics

APROMON's Spectral Frequency Distribution Chart aids powerful diagnostics

Easy to use and intuitive Excel-based user-interface makes APROMON the easiest and most practical product.

Short Earn-Back period: Delivers quantifiable benefits with paybacks ranging from few weeks to a year. $200K to $2 million/year recurring savings can be realized by Control Loop Performance Monitoring (CLPM) tools like APROMON.

Main functions of APROMON:
- Which loops are not controlling well?
- Which loops are oscillating?
- Which loops have matching frequencies?
- Which control valves are not working well?
- Which control valves are moving excessively?
- Which loops need proportional adjustment?
- Which loops need integral adjustment?
- Which loops need derivative adjustment?
- Which loops need filter adjustment?
- What is onstream factor of the loops?
- Which loops do the operators intervene most?
- Which loops have instrument signal problems?
- And many other diagnostic assistance tips for the control room engineer and technician.

Works with any DCS/PLC using OPC or Excel!

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