

INTUNE[®] PID Loop Tuning Tools

Field-proven PID Loop Tuning Tools

INTUNE PID Loop Tuning Tools minimizes your efforts to tune PID controllers and provides quick and accurate results.

Save Time and Money

The ability to maintain all your processes at optimal operating conditions translates immediately to huge savings in manufacturing costs and higher productivity.

Use INTUNE software to tune PID controllers quickly and accurately, and monitor your process non-intrusively, round-the-clock, while you do other things. Or use one of INTUNE software's other productivity tools to optimize and maintain the performance of your controllers.

Simplify the Tuning Process

- Less time to tune a loop by 75%.
- Tune without interrupting your processes.
- Find the best process model that fits your data.
- Predict results with a built-in simulator.
- Download PID numbers with desired speed of response.
- Tune cascaded controllers in one step.
- Quickly characterize feedforward logic.
- Monitor remotely to maintain results.



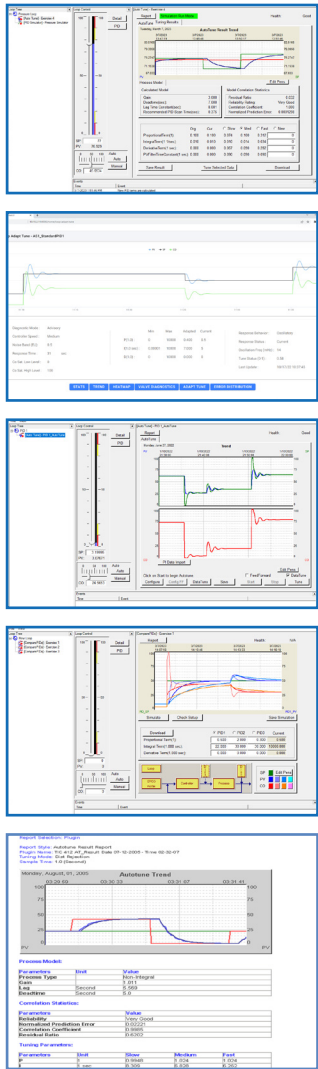
Advisory Adaptive Tuning

Our 38+ years of field experience is built into the logic behind our advisory adaptive tuning. This proprietary learning algorithm works within the natural cycles of your process to automatically identify tuning issues, reject disturbances and recommend PID parameters to accommodate, all without disturbing your process.

- ✓ **MINIMIZE THE TIME TO TUNE AND MAINTAIN CONTROL LOOPS**
- ✓ **ELIMINATE THE NEED FOR BUMP TESTS AND WORK WITHIN THE NATURAL CYCLE OF YOUR SYSTEM**
- ✓ **INCREASE PRECISION WITH ADVISORY ADAPTIVE TUNING**

**FREE FIRST YEAR TECHNICAL
PRODUCT SUPPORT
WITH SOFTWARE PURCHASE**

Functionality



Auto-Tune

Generate PID parameters values for your process loops in either Open or Closed loop mode. Tune both inner and outer cascaded loops in one test with One-Shot Cascade. Use the Feedforward Compensation feature to characterize multiple disturbances that can affect the control loop performance.

Adapt-Tune

Use sophisticated pattern recognition to analyze and interpret process data in real time. Running continuously in the background, it performs self-tuning in either Advisory (prompts operator to download PID changes) or Automatic (automatically downloads PID changes to controller) modes.

Data-Tune

Run off-line with imported historical data containing PV, SP and CO to generate process models and suggest PID tuning parameter values.

Simulation

Predict the performance of your PID control using different PID factor settings. Uploads process models generated by INTUNE and performs what-if analyses. Compares PIDs and offers online, real-time simulation capabilities for PID and non-PID processes.

Web-Based Reports

Save and document your testing and results for future retrieval and review. Test results can be saved on the INTUNE server, creating an HTML based report available to anyone who has access to the server and permissions.

Connectivity

- ✓ PROVIDES REAL-TIME UPDATES AT SPECIFIED INTERVALS
- ✓ MAPS PARAMETERS FOR COMMON CONTROLLERS
- ✓ SHARES PERFORMANCE CALCULATIONS AND MEASURES
- ✓ QUICKLY RESPONDS TO PROCESS DISTURBANCES



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System Requirements

Executes on a PC with Windows 10 / 8.1 / 7 / Server 2008 / Server 2012 / Server 2016 operating systems. Both 32-bit and 64-bit operating systems are supported.

	Recommended
RAM	8GB
HD Space	500GB
Processor	2.8GHz (8 Cores)
Operating System	Windows 10 or Windows Server 19
Web Browser	Edge, Chrome, or Firefox
Screen Resolution	1920 x 1080

