

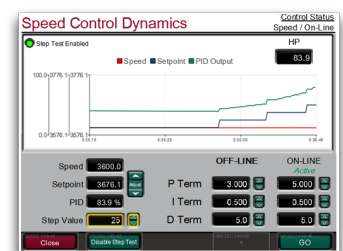
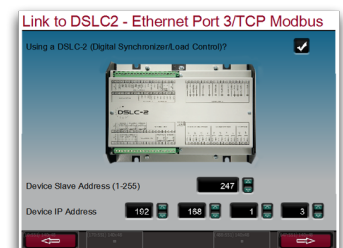
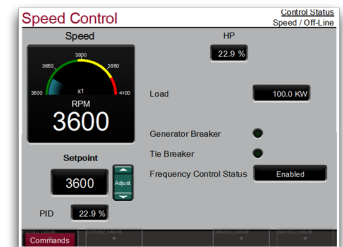
THE STANDARD IN STEAM TURBINE CONTROL ... JUST GOT BETTER



- Enhanced Connectivity
- Graphical Multi-Language Interface
- Simplified Configuration
- Self-Tuning Optimization
- Drop-In Replacement

The **NEW 505** and **505-XT** are Woodward's line of standard off-the-shelf controllers for operation and protection of industrial steam turbines. These user configurable steam turbine controllers with integrated OCP (operator control panel) include specifically designed screens, algorithms, and event recorders to simplify use in controlling industrial steam turbines or turbo-expanders, driving generators, compressors, pumps, or industrial fans.

Now is the time to modernize and upgrade your aging technology to a better solution that will optimize performance and productivity. Woodward's new 505 and 505-XT are direct drop-in replacements (form, fit and function) to your existing 505 systems. You've come to trust our technology over the past 140 years for quality, reliability, service and support. Now let us help you extend the life of your turbine and open wide a window of operator control visibility that makes it easier to manage and optimize your system's performance.

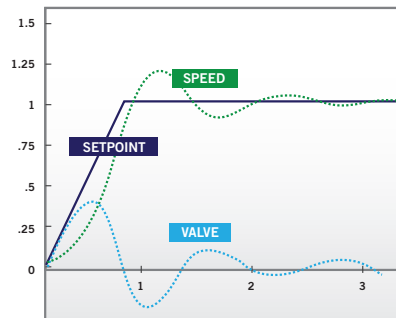


Upgrading your system is made even easier through Woodward's **NEW OptiTune** PID technology which analyzes through an "auto-tune" function the steam turbine's dynamic system response and then calculates the optimum P, I, and D settings. No longer do you have to depend on inadequately trained engineering teams to dynamically adjust your turbine system control loops for optimum operation and performance.

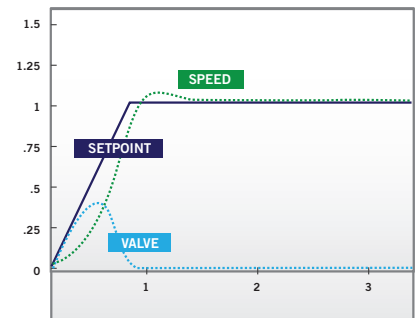
Contact your OEM or one of Woodward's qualified distributors to help you quickly connect, configure your system, and run our advanced new OptiTune technology. Your system will have expanded control and visibility running at optimum performance.



www.woodward.com/new505



Typical PID Response
CURRENT



Typical OptiTune PID
TREND

PRODUCT COMPARISONS

Features	Mechanical Governor	OLD 505	NEW 505
Operator Control Panel (OCP)	None	2-Line English	8.4" Full graphic multi-language
Adaptive PID to optimize performance	None	Manual adjustment	OptiTune technology
Load rejection performance	None	Yes	Advanced Anticipation Logic
Setup, monitor and control other Woodward products	None	Separate service tools	Integrated and managed through the 505 control
Ethernet Communication to DCS	None	No	Yes
Expandable I/O	None	No	Yes, via LinkNet-HT

GLOBAL SUPPORT

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CONTENT

For general information on Woodward products or to download manuals and other documentation, visit:
www.woodward.com/turbine

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