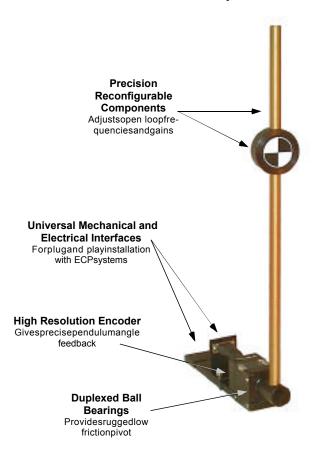
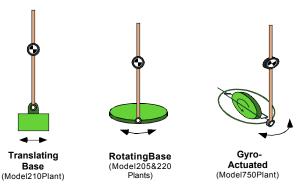


Inverted Pendulum Accessory

A Second Pendulum Option From ECP: Modular System Add-on



Easily Adapts to Most ECP Plants



Two Pendulum Solutions From ECP

ECP now offers two pendulum choices. Our ECP Inverted pendulum (Model 505) is a stand-alone system with unique dynamic characteristics (right half plane zeros and poles). This system has proven itself in 10 years of reliable in-field use and offers one of the lowest cost solutions for a stand-alone experiment commercially available. The Pendulum Accessory (A51) described on this page is based on the classical inverted pendulum model and adds on to other stand-alone ECP systems using their actuators, base feedback, and electronics.

Self-Erecting, Inverted & Noninverted Operation

Lets you control open loop stable and unstable systems and dynamically transition between thetwo



Fully Adjustable Dynamic Parameters

Adjustable pendulum weight, rod length, andbaseinertiaare idealforstudyingcontrol robustness and supporting multiple studentassignmentswith same equipment



Our inverted pendulum accessory is a cost effective way to enhance your laboratory's capability. It has a wealth of features not found in any other commercially available inverted pendulum apparatus. Precision construction, fully adjustable dynamic parameters, and easy installation make it a valuable addition to any control systems laboratory. As with all ECP systems, complete dynamic models and example controllers are provided along with Matlab® scripts, for easy control modeling and design. The Executive USR® program lets you easily implement control and characterize the system via transient response, frequency response, stability and parameter robustness test features. With provided controllers and plug-and play installation you will get the system up and running in just minutes and perform interesting experiments the very same day!

