



Quanser Gyroscope

The station demonstrates the gyroscopic effect of a spinning disk maintaining orientation in space. This additional module can be mounted on the Rotary Servo Base Unit. It consists of a disk driven by an electric motor and a movable base for the entire station. The disk deflection is read by an encoder. Students model this object mathematically and then design algorithms necessary to control it. The kit includes all elements needed to quickly start the station: amplifier, controller, Matlab or LabVIEW module as well as educational materials for students. We also offer a larger experiment – a gyroscope with 3 degrees of freedom, adapted to the exceptional requirements of research projects.