

QNET Mechatronics Actuator board



The Quanser QNET DC Motor Board 2.0 for NI ELVIS II/II+ is an add-on application board for the NI Engineering Laboratory Virtual Instrumentation Suite II (NI ELVIS II) or NI ELVIS II+. This device has been developed for education to facilitate hands-on, active learning of the fundamentals of PI, PD, and PID controllers using system modeling, motor speed and servo control.

Using the Quanser QNET DC Motor Board 2.0 for NI ELVIS II/II+ , you can offer experiential-based learning for understanding applications such as robotics and transportation. The QNET DC Motor Control Trainer has been designed to illustrate the fundamentals of DC motor control using the NI ELVIS Workstation & LabVIEW software. It can quickly and easily be configured to control motor position and speed, as well as parameter estimation and control of a HapticiiKnob.

Features

- » Reliable & Versatile
- » Durable DC servo motor
- » Built-in power amplifier
- » High resolution optical encoder to sense position