

Quanser Coupled Tanks

This stand demonstrates a typical industrial process – two interconnected tanks powered by a pump. Each tank is equipped with a pressure sensor measuring current liquid level. With an easy-to-switch set of pipes and valves, the process may be easily reconfigured. It is possible to connect two or more stands together, creating a more complex structure. Students have the possibility to model and design various types of control algorithms. The kit includes all elements needed to quickly start the station: an amplifier, controller, plug-in for Matlab or LabVIEW and educational teaching materials for students. The station is available in a virtual version: (click here)

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