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Product Name :
Kinetic Reactors In Series

Product Code :
LBNY-0005-11600019



Description :

This bench top unit is designed for a study of mixed multi stage process dynamics. A drain tank under each reactor and a dead time coil are provided. Conductivity probes are fitted to each reactor for monitoring the process. Instruments are provided for indicating reagent flow rate and conductivity. The unit consists of three reactor vessels connected in series. Each reactor has a variable speed agitator. Two reagent vessels, each with a reagent pump and a flow meter, feed the reagents to the first reactor. Piping connection allows the reagents to be fed directly to any reactor.

Experiments:

Study of dynamic process for stirred tank reactors in series.
Influence of flow rate.
Study of chemical reaction in three tank system.
Study of time constant using a dead-time coil.

Technical Specification :

Technical Data:

Reactor tanks : 3 ea.
Reagent tanks : 2 ea.
Reagent pumps : 2 ea.
Drain tanks : 3 ea.
Agitator : 3 ea, with speed control units.
Measuring instruments
Speeds : Digital display.

Flow : 2 ea, rotameters.

Power supply : 220 V 1 Ph 50 Hz.

Conductivity probes : 3 probes with digital display.



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