

Product Name :
Chemical Reactor Teaching Equipment

Product Code :
ALABS-A174-019

ALTEC™

Description :

Chemical Reactor Teaching Equipment

- A self contained bench top service unit designed to provide services for up to five different chemical reactors:
 - Continuous Stirred Tank Reactor
 - Tubular Reactor
 - Transparent Batch Reactor
 - Plug flow reactor
 - Laminar Flow reactor
- Fully computer controlled and supplied with educational software (32/64 bit) specific to each reactor type. Simple interfacing to the (user supplied) computer by a USB interface

- Two peristaltic feed pumps with individually variable flow rates, 0-140 ml/min
- Provides PID temperature controlled hot water in order to maintain reactor temperature
- Complete with two thermocouples, an input for a third (user) thermocouple and a dual range conductivity sensor
- A comprehensive instruction manual is included which details installation and operating procedures

Features:

- Compact bench top equipment
- Real time reaction monitoring instrumentation, eliminating the inconvenience and inaccuracy of multiple titrations.
- Transparent reactors, so the student can see what is happening
- Colour tracer experiments possible for some reactor types
- Cost effective, up to five reactors share the same service unit.
- Computer control and data logging as standard
- Safe and student friendly
- Five different reactor types available:
 - Continuous stirred tank reactor
 - Tubular reactor
 - Batch reactor
 - Plug flow reactor
 - Laminar flow reactor



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