



ALTAMIRA INSTRUMENTS

*The First Name in Custom Reactor Systems*

## CUSTOM CATALYST TESTING INSTRUMENTS

### *BenchCAT 1000R HP*



**Application:** *Studies of hydrocarbon hydrogenation*

This unit consists of one fixed bed reactor for a gas phase hydrogenation reaction. The feed module can deliver three gases and one liquid. The reactor tube is a stainless steel and can operate at temperatures up to 600°C at 100 atmospheres.

The reactor module uses a three-zone furnace and the flow can be operated in an up-flow or down-flow configuration. The reactor effluent is routed to a gas/liquid separator where analysis can occur. Safety features include a hydrocarbon detector integrated into the computer software prompting error messages, alarms, or automatic shutdown.



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