



# RIG SIMULATOR

Electrical The Focus Rig Simulator is an important piece of equipment in your job preparation and troubleshooting process. With our Rig Simulator you can get verified pulser poppet movement via optical sensor. Pump pressure and flow can be simulated through the tool, computer and RFD to ensure proper data transmission from tool to surface equipment. Programming set in the tool can be tested and verified by hooking up the Rig Simulator through your surface computer and receiver then enabling the flow.

## Rig Simulator Versions

### Rig Simulator: Version - I

- Simulates flow and records pressure pulses at 0psi, 2500psi and 5000psi
- Allows functionality of tool string to be tested in the shop or on location prior to well entry or shipment to a job
- Displays the tool current draw while in use
- Indication LEDs for Pulse and Data transmission confirmation
- Illuminated switches for visual indication of On/Off state
- Uses an optical sensor to monitor the physical movement of the pulser pop-it
- Rugged construction and connectors

### Rig Simulator: Version - II Software Interface

- Collects Pulse Line Data and Feedback through the Optical Sensor to compare pulses sent and received
- Measure Pulse Width and Pulse Speed from open to closed
- Records missed pulses or irregular poppet travel
- Downlink ability to communicate with Focus Pulser
- (Scheduled Completion 3rd Quarter, 2015)
- Manual or Auto Pulse Control from the Rig Simulator