

# RPC Controller



## Hydraulic Motor Driven PCP Systems Functions & Features



- Rod torque monitor with motor pressure input option
- Estimated down-hole pump torque
- Rod speed monitor with proximity switch input option
- Rod speed monitor with hydraulic fluid flow input option
- Estimated down-hole pump speed
- On-demand well identification routine self-identifies the pumping unit's individual operating conditions including casing fluid level.
- Rod and lift power monitors.
- Production rate monitor
- Well Identification (Well ID)
- Hydraulic solenoid (current) control for rod speed adjustment (swash plate)
- Manual speed control with speed option
- Fluid level PID control with speed option based on fluid level estimate or sensor input
- Pump intake pressure PID control with speed option based pump intake pressure estimate or sensor input
- Tank level control with speed option
- Other Operation mode with hydraulic start/stop option:
  - Remote (through a serial device) start/stop allowable.
  - Auto-Restarts allowable.
  - Simple Pump-off Controller allowable.
  - Calendar Controller allowable.
  - Timer Mode Controller allowable.
- Daily Gauging on estimated/measured production, run time, average fluid level, pump speed
- Fault/Alarm of process variables
- User-definable time-stamped parameter Data Sampler with optional Mass Data Storage
- Paperless Circle Chart Recorder via UEdit® PC based diagnostic software
- Remote Sensor communications via Modbus RTU
- SCADA communications via Modbus RTU
- Bluetooth (BLE) local communications (*optional*)
- WIFI wireless local communications (*optional*)
- Unico GMC® support



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Specifications subject to change without notice.

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