

RPC Controller



Pump Jack with Motor Starter Lift Systems Functions & Features

Field Sensors

Configuration 1: Load Cell + Inclinometer

Configuration 2: Load Cell + Inclinometer + Motor Sensors

- Pump fill monitor and Pump Off Control (POC)
- Timer or Calendar based pumping control
- Pumping unit, rod string and down hole pump models
- Gear box torque monitor
- Power Consumption monitor, efficiency calculation and report (*motor sensors required*)
- Tubing, casing, fluid and reservoir models
- Rod string weight and resonance calculator
- Density and flow loss calculation from fluid and gas property
- Deviated well compensation
- Counter balance compensation calculator
- Auto rod friction modeling option for more reliable pump fill calculation
- Pump flow monitor and production accumulator
- Casing and tubing pressure compensation
- Pump intake and discharge pressure monitors
- Fluid level monitor
- Down hole pump position, velocity and load monitors
- Rod position and velocity monitors
- Rod load monitor and protection
- Actual surface and pump dynamometer graph generators
- Predicted surface and downhole dynamometer graph generator
- Stop and Fault dynamometer graphs stored in memory
- Store surface and downhole dynamometer graph with SD memory (*optional*)
- Stored well report with SD memory (*optional*)
- Time-stamped event, warning and fault logging
- Interface for multichannel analog data logging (*optional*)
- User-programmable MS Excel spreadsheet well report generator 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



All trade designations are provided without reference to the rights of their respective owners.

Specifications subject to change without notice.

1100.21(026) 5/20